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1912/13

THE URSINUS BULLETIN

Vol. XI No. 1 First Quarter, 1913

Ursinus College

1912-1913

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THE URSINUS BULLETIN
Vol. XI No. 1. First Quarter, 1913

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21 MAY 1913

Ursinus College

1912-13

"An Institution where the youth of the land can be liberally educated under the benign influence of Christianity."—*The Founders*

Published by Ursinus College, Collegeville, Pa.

CONTENTS

	Page
Calendar for 1912-1913	4
Ursinus College	5-9
Directors of the College	10-11
Faculty and Instructors	13-15
Officers and Committees of the Faculty	16
The College	17-65
Admission	17-24
Government	22-26
Courses of Instruction	27-42
Groups of Courses	43-51
Equipment	53-57
Expenses, Scholarships	58-61
Honors, Prizes, Degrees	61-63
Summer Session	65-67
Central Theological Seminary	68-69
Lists of Students	70-80
Honors, Prizes, Degrees, 1911-1912	84
Alumni Associations	85

1913

January

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CALENDAR

1913

March 18, Tuesday,	EASTER RECESS begins, 4 p. m.
March 26, Wednesday,	RECESS ends, 8 a. m.
May 26, Monday,	Senior Final Examinations begin.
May 30, Friday,	Memorial Day, a holiday.
June 2, Monday,	Semi-Annual Examinations begin.
June 8, Sunday,	Baccalaureate Sermon, 8 p. m.
June 9, Monday,	Examinations for Admission begin.
June 9, Monday,	Class Day Exercises, 2 p. m.
June 9, Monday,	Junior Oratorical Contest, 8 p. m.
June 10, Tuesday,	Annual Meeting of the Directors, 10 a. m.
June 10, Tuesday,	Alumni Meeting, 1 p. m.
June 10, Tuesday,	Alumni Oration, 8 p. m.
June 11, Wednesday,	Commencement, 10 a. m.
June 23, Monday,	Summer Session begins.
Aug. 1, Friday,	Summer Session ends.
Sept. 16, Tuesday,	Examinations for Admission begin.
Sept. 16, Tuesday,	Registration and Matriculation of Students.
Sept. 17, Wednesday,	Registration and Matriculation of Students.
Sept. 17, Wednesday,	Opening Address, 8 p. m.
Sept. 18, Thursday,	Instruction begins, 8.45 a. m.
Nov. 26, Wednesday,	THANKSGIVING RECESS begins, 4 p. m.
Nov. 29, Saturday,	RECESS ends, 8 a. m.
Dec. 19, Friday,	CHRISTMAS RECESS begins, 4 p. m.

1914

Jan. 6, Tuesday,	RECESS ends, 8 a. m.
Jan. 22, Thursday,	Semi-Annual Examinations begin.
Jan. 29, Thursday,	Day of Prayer for Colleges.
Jan. 30, Friday,	SECOND TERM begins, 8 a. m.
Feb. 19, Thursday,	Founders' Day.*
Feb. 22, Sunday,	Washington's Birthday, a holiday.
April 7, Tuesday,	EASTER RECESS begins, 4 p. m.
April 15, Wednesday,	RECESS ends, 8 a. m.
June 7, Sunday,	Commencement Exercises begin.
June 10, Wednesday,	Commencement Exercises end.
June 22, Monday,	Summer Session begins.
July 31, Friday,	Summer Session ends.
Sept. 16, Wednesday,	ACADEMIC YEAR begins.

*Date subject to change.

URSINUS COLLEGE

HISTORICAL STATEMENT

In the year 1848, a School for the higher education of young men was established at Perkiomen Bridge, twenty-four miles from the State House in Philadelphia, on the main thoroughfare from Philadelphia to Reading, Pennsylvania. In keeping with the convictions, both religious and political, of its founder, the School was named "Freeland Seminary." Within a period of twenty years, more than four thousand young men from Pennsylvania, New Jersey, Maryland and Delaware received their education at this School.

In 1868, a body of men, actuated by a desire to serve the interests of higher education and evangelical Christian religion, met in the city of Philadelphia and resolved to found "an institution where the youth of the land can be liberally educated under the benign influence of Christianity." Ruled by this desire, they chose as the name of their institution that of one of the most distinguished reformers and scholars of the sixteenth century, *Ursinus,* of the University of Heidelberg.

The Act of Incorporation under which Ursinus College is conducted was granted by the Legislature of Pennsylvania, February 5, 1869, and is as follows:

AN ACT

TO INCORPORATE URSINUS COLLEGE

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, that there shall be and hereby is erected, established and incorporated in Upper Providence Township, in the County of Montgomery, in this Commonwealth, an institution of learning, for the purpose of imparting instruction in Science, Literature, the Liberal Arts and Learned Professions by the name, style and title of URSINUS COLLEGE.

SECTION 2. Said College shall be under the care and management of a Board of Directors not exceeding twenty-one in number, who, with their successors in office, shall be and are hereby declared to be one body politic and corporate in deed and in law, to be known by the name, style and title of Ursinus College, and by the same shall have perpetual succession, and shall be able to sue and be sued, plead and be impleaded in all courts of law and equity, and shall be capable in law and equity to take, hold and purchase for the use and benefit of said College any estate in any messuages, lands, tenements, goods, chattels, moneys and other effects of any kind whatever, by gift, grant, bargain, sale, conveyance, assurance, will, devise or bequest from any person or persons, body politic or corporate, either municipal or otherwise whatsoever capable of lawfully making the same, and the same from time to time to grant, bargain, sell, convey, mortgage, farm, let, place out at interest, or otherwise dispose of for the use and benefit of said College; *Provided, however,* That no bequest or donation made to and accepted by said Board for specific educational objects shall ever be diverted from the purposes designated in the conditions of such gift and acceptance.

SECTION 3. That the Board of Directors shall have power to establish, from time to time, in said College, such departments of study and instruction as they may deem expedient, and to provide libraries, apparatus, cabinets, endowments and all other needful aids for imparting full and thorough courses of instruction therein. They may appoint a faculty or faculties, professors, lecturers and teachers, prescribe their respective duties, fix their compensation, and remove them, or any of them, as, from time to time, the interests of the College may require; they shall have power to purchase or erect buildings for the accommodation of students, professors and officers, and for other needful purposes; to establish rules and regulations for the government of students and officers, and to do all and singular such other things and matters as may be requisite for the well ordering and proper management of the affairs of said College.

SECTION 4. That the said Board of Directors shall at first consist of the persons herein named, to wit: *James Koons, Sr., J. Knipe, W. D. Gross, H. W. Kratz, A. Kline, H. K. Harnish, Abraham Hunsicker, Sr., J. W. Sunderland, John Wiest, A. W. Myers, H. H. W. Hibshman, A. Van Haagen, J. H. A. Bomberger, J. G. Wiehle, J. Dahlman, Jr., Emanuel Longacre, George Schall, W. L. Graver, William Sorber, Nathan Pennypacker, N. Gehr,* who, or any nine of them, on the passage of this act, or at any time within three months thereafter, may meet and organize

by electing a President and Secretary, and accepting this act, the evidence of which shall be the duly authenticated record of such meeting and action.

SECTION 5. That the Board of Directors shall have power to fill all vacancies in their own body, to expel any member thereof who shall be guilty of infamous conduct and to declare vacant the seat of any member who shall have, for three consecutive years, failed to attend the stated meetings of the Board; to appoint, from time to time, such additional officers and agents of their own body as may be deemed requisite, including a Treasurer, who shall always give ample security for the funds entrusted to his keeping; to adopt a common and corporate seal, by and with which all deeds, certificates, appointments and acts of said Board, signed by their President and attested by their Secretary, shall pass and be authenticated, and the same seal at their pleasure to break, alter or renew.

SECTION 6. That the said Board of Directors, at any meeting subsequent to their organization called for the purpose, and of which due notice shall have been given to each member, may adopt and establish a Constitution and By-Laws for the government of their own body, not inconsistent with this act, the laws of the State or the laws of the United States, which Constitution and By-Laws shall not thereafter be altered, amended or repealed except in the manner therein provided.

SECTION 7. That the faculty of any organized department in the College may, with the advice and consent of the Board of Directors, and under such regulations as they may prescribe, confer the degrees, honors, and dignities usually conferred by similar departments in the Colleges and Universities of this Commonwealth.

SECTION 8. That no misnomer of this corporation shall defeat or annul any gift, grant, devise or bequest to or from the said corporation. *Provided,* The intent of the parties shall sufficiently appear upon the part of the gift, grant, will, or other writing whereby such state or interest was intended to pass to or from said corporation.

The corporation was organized at a meeting of the Directors held in the city of Philadelphia, February 10, 1869. A permanent seat for the College was sought near Philadelphia. Attracted by the beauty of the region of Perkiomen Bridge, where Freeland Seminary had flourished for twenty years, and impressed by the reputation of the community for its interest in education, the Board of Directors purchased the property

of Freeland Seminary, and incorporated the latter into Ursinus College as its preparatory department. About this time the United States postal authorities named the post office at Perkiomen Bridge, Collegeville. Instruction was begun September 6, 1870. In 1881 the doors of the College and Academy were opened to women. The Academy was discontinued as a department of the institution June 8, 1910.

The Ursinus School of Theology was organized June 1, 1871, and opened for instruction the following September. The School was conducted at Collegeville in connection with the College till 1898, when it was removed to Philadelphia. March 8, 1907, a Compact of Union was ratified by the Board of Directors of Ursinus College, by which the instruction of the Ursinus School of Theology is conducted in the Central Theological Seminary, located at Dayton, Ohio.

Collegeville is easy of access by the Philadelphia and Reading Railway from Philadelphia, Allentown or Reading. Electric cars connecting Collegeville with Pottstown, Norristown and Philadelphia pass the College campus. The College grounds cover fifty-three acres, including a fine lawn and campus of ten acres, tennis courts, an athletic field, and several fields for agriculture.

NEEDS

The College presents for the consideration of benefactors the following needs:

1. A dining hall with a capacity for seating at least two hundred persons. This could be provided in the central group of dormitory buildings at a cost of $10,000, or could be built as an entirely separate building for $25,000.

2. A new heat, light and power plant more advantageously located, having increased capacity and connections with all the college buildings. A sum of $20,000 would meet this need.

3. A gymnasium fully equipped with apparatus for general and special exercises, running track, swimming tank, shower and needle baths, offices and a trophy room. The cost of this building would be approximately $50,000.

4. Additional endowment of at least $200,000. The following objects, fitting as memorials and representing varying amounts, are commended to benefactors: Scholarships, $1000 to $3000; Departments in the Library, $3000 to $5000; Scientific Laboratories, $5000 to $10,000; Professorships, $30,000 to $40,000. Undesignated gifts for endowment are added to the general endowment fund of the College.

BEQUESTS

All testamentary papers intended to convey funds or property to the College should be signed, witnessed and executed in strict accordance with the statutory laws of the State in which the testator resides. In all cases the name of the corporation should be accurately given, as in the following forms:

I give, devise and bequeath to URSINUS COLLEGE, located at Collegeville, Montgomery County, Pennsylvania, their successors and assigns forever, the sum of..... dollars, to be invested by said corporation, and the interest accruing therefrom to be applied to the maintenance of instruction in said institution.

I give, devise and bequeath to URSINUS COLLEGE, located at Col legeville, Montgomery County, Pennsylvania, their successors and assigns forever, a certain lot situated, etc., for the uses and purposes of said College according to the provisions of its charter.

Bequests intended for the Theological Department, formerly the Ursinus School of Theology, now conducted in the Central Theological Seminary at Dayton, Ohio, should be so designated but should be made in favor of Ursinus College in which the interests of this department are vested; as in the following form:

I give, devise and bequeath to URSINUS COLLEGE, located at Collegeville, Montgomery County, Pennsylvania, their successors and assigns forever, the sum of..... dollars, to be invested by said corporation, and the interest accruing therefrom to be applied to the maintenance of the Theological Department of said institution.

DIRECTORS OF THE COLLEGE

	First Elected	Term Expires
Hon. Henry W. Kratz, LL.D., Norristown,	1868	
Henry T. Spangler, D.D., Collegeville,	1884	
*A. H. Fetterolf, Ph.D., LL.D., Philadelphia,	1894	1914
James M. Anders, M.D., LL.D., Philadelphia,	1894	1914
Rev. J. W. Meminger, D.D., Lancaster,	1896	1916
Hervey C. Gresh, Norristown,	1901	1916
Daniel Clinger, Milton,	1902	1917
Edward A. Krusen, M.D., Norristown,	1903	1913
John M. Vanderslice, Esq., Philadelphia,	1903	1913
Rev. Philip Vollmer, Ph.D., D.D., Dayton, Ohio,	1905	1916
Elwood S. Snyder, M.D., Lancaster,	1905	1915
Hon. Andrew R. Brodbeck, Hanover,	1905	1915
Rev. I. Calvin Fisher, D.D., Lebanon,	1905	1915
Hon. James A. Miller, New Tripoli,	1906	1916
Rev. James M. S. Isenberg, D.D., Philadelphia,	1906	1913
Rev. S. L. Messinger, S.T.D., D.D., Trappe,	1906	1916
A. D. Fetterolf, Collegeville,	1906	1916
Geo. Leslie Omwake, Pd.D., Collegeville,	1906	1916
Mayne R. Longstreth, Esq., A.M., Philadelphia,	1907	1917
Rev. A. Edwin Keigwin, D.D., New York	1907	1917
Rev. John F. Carson, D.D., LL.D., Brooklyn	1907	1917
J. Truman Ebert, Collegeville,	1907	1917
Rev. James M. Farrar, D.D., LL.D., Brooklyn,	1907	1917
Harry E. Paisley, Philadelphia,	1907	1917
Charles H. Edmunds, Esq., Philadelphia,	1907	1917
Rev. Edward F. Wiest, D.D., York,	1909	1914
Rev. John Calhoun, D.D., Philadelphia,	1909	1914
F. MacD. Sinclair, New York,	1909	1914
Harry E. Hartman, Philadelphia,	1911	1916
Garrett E. Brownback, Linfield,	1911	1916
C. H. Alderfer, Norristown,	1911	1916
Harry B. Tyson, Norristown,	1911	1916
Rev. George W. Henson, D.D., Philadelphia,	1911	1916
Whorten A. Kline, A.M., B.D., Collegeville,	1912	1917

*Died, December 1, 1912.

Directors of the College

Officers of the Board of Directors

Honorary President, HENRY W. KRATZ

President, HARRY E. PAISLEY

Secretary, S. L. MESSINGER

Treasurer, J. TRUMAN EBERT

Committees

Executive Committee

J. M. VANDERSLICE, S. L. MESSINGER,
H. E. PAISLEY, G. L. OMWAKE,
A. D. FETTEROLF, J. T. EBERT,
J. M. S. ISENBERG.

Committee on Finance

J. M. S. ISENBERG, H. C. GRESH,
J. T. EBERT, H. E. PAISLEY,
G. L. OMWAKE, E. S. SNYDER.

Committee on Buildings and Grounds

A. D. FETTEROLF, J. M. VANDERSLICE,
C. H. ALDERFER, E. A. KRUSEN,
G. L. OMWAKE, W. A. KLINE.
H. B. TYSON

Committee on Government and Instruction

H. T. SPANGLER, A. E. KEIGWIN,
J. M. VANDERSLICE, A. D. FETTEROLF,
G. L. OMWAKE, S. L. MESSINGER,
W. A. KLINE.

Administrative, Financial and Business Officers

George Leslie Omwake, B.D., Pd.D., *President.*

Rev. Whorten A. Kline, A.M., B.D., *Dean.*

Rev. Calvin D. Yost, A.M., B.D., *Librarian.*

J. Truman Ebert, *Treasurer.*

Sara E. Ermold, *Office Secretary.*

Mrs. E. N. Ermold, *Principal of Olevian Hall.*

Jennie Dae Green, *Principal of Shreiner Hall.*

Mrs. A. R. Dresser, *Superintendent, Domestic Department.*

Lillian E. Sheppard, *Stenographer.*

OFFICERS OF INSTRUCTION

GEORGE LESLIE OMWAKE, B.D., Pd.D.,

President, and Professor of the History and Philosophy of Education.

A.B., Ursinus College, 1898, and A.M., 1901; B.D., Yale University, 1901; Pd.D., Franklin and Marshall College, 1910; Student in Theology, Philosophy and Education, Yale University, 1898-1901; Licensed, 1901; Ursinus College, 1901; Dean, 1903-09; Vice President, 1909-12; President, 1912; Member of the Society of College Teachers of Education; Member of the American Academy of Political and Social Science.

REV. WHORTEN A. KLINE, A.M., B.D.,

Dean, and Professor of the Latin Language and Literature.

A.B., Ursinus College, 1893; A.M. and B.D., 1896; Licensed, 1896; Graduate Student in Latin, University of Pennsylvania, 1897-1901, Ursinus College, 1893; Dean, 1909; Member of the Classical Association of the Middle States and Maryland; Member of the Philadelphia Botanical Club.

J. SHELLY WEINBERGER, LL.D.,

Professor of the Greek Language and Literature, Emeritus.

A.B., Yale College, 1859, and A.M., 1867; LL.D., Ursinus College, 1895; Professor of Ancient Languages, Freeland Seminary, 1859-70; Professor of Latin and Greek, Ursinus College, 1870-87; Professor of the Greek Language and Literature, 1887; Dean, 1892-1903.

REV. JAMES I. GOOD, D.D., LL.D.,

Professor of the English Bible and the History of the Christian Church.

A.B., Lafayette College, 1872, and A.M., 1875; D.D., Ursinus College, 1887 and LL.D., 1911; Student, Union Theological Seminary, 1872-75; Licensed, 1875; Pastor, 1875-1905; Professor of Systematic and Pastoral Theology and Reformed Church History, 1890-1907; Dean, School of Theology, 1892-1907; Ursinus College, 1907.

HOMER SMITH, Ph.D.,

Professor of the English Language and Literature.

A.B., Amherst College, 1891; Graduate Student, University of Pennsylvania, 1892-95; Ph.D., University of Pennsylvania, 1895; Instructor in English, University of Pennsylvania, 1892-98; Professor of English, Kamehameha School, Honolulu, 1899-1901; Acting Professor of English, Amherst College, 1901-03; Ursinus College, 1903; Member of the Modern Language Association.

MATTHEW BEARDWOOD, A.M., M.D.,

Professor of Chemistry.

A.B., Philadelphia Central High School, 1890, and A.M., 1895; M.D., Medico-Chirurgical College, 1894; Special Student of Chemistry, University of Pennsylvania, 1890-91; Instructor in Chemistry, Medico-Chirurgical College, 1896-99; Lecturer on Clinical Chemistry, 1899-1900; Adjunct Professor of Chemistry, 1900-12; Ursinus College, 1903; Member of the American Chemical Society; Member of the Franklin Institute.

JOHN WENTWORTH CLAWSON, A.M.,

Professor of Mathematics.

A.B., University of New Brunswick, 1901; A.B., Cambridge University, 1904; A.M., University of New Brunswick, 1905; Lecturer in Astronomy, University of New Brunswick, 1904-05; Assistant in Physics, Ohio State University, 1905-06; Ursinus College, 1907.

REV. GEORGE HANDY WAILES, A.M.,

Professor of the Greek Language and Literature.

A.B., Princeton University, 1894, and A.M., 1896; Student, Princeton Theological Seminary, 1894-97; Licensed, 1896; Pastor, Scots Presbyterian Church, Philadelphia, 1897-1908; Professor of Hebrew and Old Testament Literature, Temple University, 1906; Professor of Theology and Apologetics, 1908; Ursinus College, 1908.

ISAIAH MARCH RAPP, A.B.,

Professor of Physics and Instructor in Chemistry.

A.B., Ursinus College, 1903; Assistant in Physics, 1901-03; Instructor in Mathematics, Physics and Chemistry, 1904-09; Graduate student in Chemistry, University of Pennsylvania, 1906-07; Graduate student in Physics, University of Chicago, 1909-11; Fellow in Physics, 1910-11; Ursinus College, 1904. Member of the Society of the Sigma Xi.

HORATIO WILLIS DRESSER, Ph.D.,

Professor of Philosophy.

A.B., Harvard University, 1895; A.M., 1904 and Ph.D., 1907; Assistant in Ethics and the History of Philosophy, Harvard University, 1903-11; Assistant in Philosophy, Radcliffe College, 1904-11. Ursinus College, 1912.

ARTHUR VOGL, Jur.D.,

Professor of Modern Languages.

Graduate, Gymnasium, Vienna, 1893; Student, University of Vienna, 1894-95; Doctor Juris, Francis Joseph University, Clausenburg, 1898; Private instructor in Modern Languages, United States, 1907-11; Ursinus College, 1912; Member of the Modern Language Association.

ARTHUR HENRY HIRSCH, A.M.,

Professor of History and Political Science.

A.B., Cornell College, 1901; Graduate Student, University of Chicago, 1905-07; A.M., University of Chicago, 1907; Assistant Professor of History and Politics, Earlham College, 1908-10; Special Stipend Scholar, University of Chicago, 1910-11; Fellow, University of Chicago, 1911-12; Ursinus College, 1912. Member, American Historical Association; American Academy of Political and Social Science.

H. ERNEST CROW, A.M.,

Professor of Biology.

A.B., Friends' University, 1909; B.S., Haverford College, 1910; A.M., University of Kansas, 1912; Fellow, Haverford College, 1909-10; Professor Biology, Penn College, 1910-11; Graduate Student University of Kansas, 1911-12; Ursinus College, 1912.

REV. CALVIN DANIEL YOST, A.M., B.D.,

Librarian, and Instructor in German and English.

A.B., Ursinus College, 1891; A.M., 1895, and B.D., 1907; Student, Ursinus School of Theology, 1891-93; Yale Divinity School, 1893-94; Principal, High School, Mahanoy City, Pa., 1896-1901; Pastor, 1894-96, 1901-07; General Secretary, Reformed Evangelical and Educational Union, 1907-10; Ursinus College, 1910.

JOHN MYRON JOLLS,

Instructor in Voice Culture and Choral Singing.

Student under the direction of the Tonic Soh Fah College, London, 1893-96; Student in Sight Singing and Voice Culture under Frederick W. Root, 1894-95; Student under Perley Dunn Aldrich, 1899-1908; Teacher of Singing, 1894-1910; Ursinus College, 1908.

JENNIE DAE GREEN

Instructor in Piano and the Theory of Music.

Graduate, Dickinson Seminary, Williamsport, Pa.; Student under E. Schmauk, Stella Haddon-Alexander and E. A. MacDowell, New York, 1898-1901; Student under Preutner, Vienna, Austria, 1909; Teacher, Dickinson Seminary, 1901-03; Monroe College, Forsythe, Ga., 1903-04; Director of Music, Broaddus Institute, Philippi, W. Va., 1905-12; Ursinus College, 1912.

JOHN BEADLE PRICE, A.M.,

Graduate Director of Athletics.

A.B., Ursinus College, 1905; A.M., 1912; Director of Athletics and Instructor, State Normal School, Slippery Rock, Pa., 1905-08; Graduate Student, University of Pennsylvania, 1909-10; Student, Medico-Chirurgical College, 1910-13; Ursinus College, 1908.

OFFICERS OF THE FACULTY

Chairman, The President
Secretary, Professor Smith

ADVISERS

Classical Group, Professor Kline
Latin-Mathematical Group, Professor Clawson
Mathematical-Physical Group, Professor Clawson
Chemical-Biological Group, Professor Crow
Historical-Political Group, Professor Hirsch
English-Historical Group, Professor Smith
Modern Language Group, Professor Vogl

COMMITTEES

Admission and Advanced Standing

The President — Professor Kline
Professor Clawson — Professor Rapp
Professor Hirsch

Library

The President — The Librarian
Professor Smith
Two Representatives of the Alumni Association

Athletics

Professor Smith — Professor Clawson
One Representative of the Board of Directors
One Representative of the Alumni Association
Two Representatives of the Student Body

Scholarships

The President — Professor Kline
Mr. Yost

ADMISSION

A student who wishes to enter Ursinus College must bring from the school or college he has attended, or from the teacher with whom he has studied, a testimonial of good character and a certificate of preparation for the work he desires to take, in the form prescribed by the college. Blank forms for these certificates are furnished by the Dean of the College, to whom all communications on the subject and all certificates are to be addressed.

Students from high schools, academies and normal schools approved by the faculty, or from other colleges, and candidates who have passed the examinations of the College Entrance Examination Board of the Middle States and Maryland, are admitted on certificate. All other candidates must satisfy the entrance requirements by examination. A candidate whose certificate does not cover the amount of work required in a subject may be admitted to college as a regular student with conditions as provided in the statement given on page 23.

REQUIREMENTS FOR ADMISSION

The studies which may be presented in satisfaction of the requirements for admission are set forth below. A candidate must present, either by examination or by certificate, satisfactory evidence of preparation in the studies he offers in accordance with the requirements in each study as defined:

ENGLISH

The Uniform Entrance Requirements in English include preparation based upon two lists of books,—one of the books for reading and one of the books for special study. In connection with the reading and study of prescribed books, the candidate should read other books and commit to memory a considerable amount of good English poetry. The reading should be done with a view to the development of literary appreciation, accuracy of expression and elegance of style.

(*a*) READING.—The candidate will be required to write a paragraph or two on each of several topics chosen by him from the list drawn from the books named below. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the books prescribed. He should read the books as he reads other books not aiming to know them minutely, but to gain a knowledge of their most important parts. In every case knowledge of the book will be regarded as less important than the ability to write good English.

Every applicant will be examined in English Composition. No candidate will be accepted whose work is seriously defective in spelling, punctuation, grammar, or division into paragraphs.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units are to be selected, two from each group. Each unit is set off by semicolons.

1. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I., II., III., IV., V., XV., XVI., XVII.; the Iliad, with the omission, if desired, of Books XI., XIII., XIV., XV., XVII., XXI.; Vergil's Æneid. The Odyssey, Iliad, and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

2. Shakespeare's Merchant of Venice; The Midsummer Night's Dream; As You Like It; Twelfth Night; Henry the Fifth; Julius Cæsar.

3. Defoe's Robinson Crusoe, Part I.; Goldsmith's Vicar of Wakefield; either Scott's Ivanhoe or Scott's Quentin Durward; Hawthorne's The House of the Seven Gables; either Dickens's David Copperfield, or Dickens's A Tale of Two Cities; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; George Eliot's Silas Marner; Stevenson's Treasure Island.

4. Bunyan's Pilgrim's Progress, Part I.; The Sir Roger de Coverley Papers in The Spectator; Franklin's Autobiography (condensed); Irving's Sketch Book; Macaulay's Essays on Lord Clive and Warren Hastings; Thackeray's English Humourists; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's Oregon Trail; either Thoreau's Walden, or

Huxley's Autobiography and Selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Stevenson's Inland Voyage and Travels with a Donkey.

5. Palgrave's Golden Treasury (First Series), Books II. and III., with especial attention to Drydèn, Collins, Gray, Cowper, and Burns; Gray's Elegy in a Country Churchyard and Goldsmith's Deserted Village; Coleridge's Ancient Mariner and Lowell's The Vision of Sir Launfal; Scott's The Lady of the Lake; Byron's Childe Harold, Canto IV., and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series), Book IV., with especial attention to Wordsworth, Keats, and Shelley; Poe's Raven, Longfellow's The Courtship of Miles Standish, and Whittier's Snow Bound; Macaulay's Lays of Ancient Rome and Arnold's Sohrab and Rustum; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.

(*b*) Study.—In addition an examination will be required upon the subject matter, literary form and logical structure of each of the works named below. A careful and critical study of the works will be necessary to prepare the candidate for the examination. The student may be required to answer questions on the leading facts of the literary periods to which the works belong and on the essentials of grammatical structure.

The books prescribed for this part of the examination are as follows:

1913 and 1914—Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, and Comus; either Burke's Speech on Conciliation with America, or both Washington's Farewell Address and Webster's First Bunker Hill Oration; either Macaulay's Life of Johnson, or Carlyle's Essay on Burns. *Three units.*

LATIN

The Latin reading required for admission of candidates for the degree of Bachelor of Arts, without regard to the prescription of particular authors and works, is not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I-VI.

The amount of reading specified above should be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters,

and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid) and Ovid (Metamorphoses, Fasti, and Tristia). *Four units.*

GREEK

The candidate must show a mastery of the common forms, idioms and syntax of the language, and must know the rules of accent and their changes. He will be required to translate simple English sentences into Attic Prose, and translate, at sight, passages of ordinary difficulty taken from Xenophon. The following books will meet the requirement: White, First Greek Book, or an equivalent; Xenophon, Anabasis, books I-IV. *Two units.*

GERMAN

The candidate must possess an accurate knowledge of the rudiments of grammar. He should give special attention to the acquisition of a good pronunciation and to the memorizing and frequent repetition of easy colloquial sentences, and cultivate readiness in the reproduction of natural forms of expression. He is expected to have read from seventy-five to one hundred pages of graduated texts from a reader, and from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays. He must be able to read, at sight, easy dialogue or narrative prose; to put into German short English sentences taken from the language of everyday life and based upon the text offered for translation; and to reproduce in an offhand way, both orally and in writing, the substance of short and easy selected passages. *Two units.*

FRENCH

The general principles for the requirements in French are the same as for German. The candidate must be able to pronounce French accurately and possess a thorough knowledge of the rudiments of grammar, including the inflection of the more common irregular verbs and the elementary rules of syntax. He should be able to read at sight easy dialogue and modern French prose, and is required to put into French simple English sentences; to give abstracts of portions of texts already read; and to write French from dictation. He should have read from one hundred to one hundred and seventy-five pages of graduated texts and from two hundred and fifty to four hundred pages of easy modern prose in the form of stories, plays, or historical or biographical sketches. *Two units.*

HISTORY

The candidate's preparation in either field of History must include the general outlines of study as stated below. Geographical knowledge of the countries involved is extremely important. The examination will include:

Ancient History, as contained in West's Ancient World, or Myers's Ancient History (Revised Edition), in connection with Seignobos's Ancient Civilization. The applicant will be expected to be prepared to write on a topic selected from one of the following supplementary readings: Botsford's Athenian Constitution, Coulanges's Ancient City, and Ward-Fowler's City-State of the Greeks and Romans. *One unit.*

English History as treated in Andrews's or Larned's History of England, or Walker's Essentials of English History. The applicant will be expected to know the chief factors of Anglo-Saxon civilization which influenced American institutions. *One unit.*

American History, as contained in McLaughlin's The American Nation, Adams and Trent's History of the United States, or Ashley's American History. The applicant must show thorough acquaintance with the main facts of the political, social and economic development of the United States as a nation. Civil government may be offered as part of this requirement. *One unit.*

MATHEMATICS

Arithmetic, with the metric system of weights and measures, as much as is contained in Wentworth's Advanced Arithmetic. Elementary Algebra, including Variation and the Binomial Theorem, as in Wells's Essentials of Algebra, or its equivalent. Plane Geometry, complete as in Phillips and Fisher's Plane Geometry, or its equivalent. *Two and one-half units.*

Solid Geometry, as contained in Phillips and Fisher's Geometry of Space, or its equivalent. *One-half unit.*

Algebra continued, to include The Progressions, Choice and Chance, Partial and Continued Fractions, Graphical Representation, Complex Numbers and Logarithms, as contained in Hawkes's Advanced Algebra, or its equivalent. *One-half unit.*

Plane Trigonometry, as in Ashton and Marsh's Plane and Spherical Trigonometry, Chapters I-IV and VI, or its equivalent. *One-half unit.*

SCIENCE

Physical Geography. The equivalent of Gilbert and Brigham's Physical Geography. *One-half unit.*

Zoölogy. Textwork equal in amount to that contained in Davenport's Introduction to Zoölogy; laboratory work, the study of at least ten common types of animal life, the drawings and descriptions of which must be presented by the candidate in a laboratory note-book certified by the teacher. *One-half unit.*

Botany. Textwork equal in amount to that contained in Coulter's Plant Relations, or its equivalent. Laboratory work on the structure and life history of at least ten plants, and the ability to identify ordinary seed plants. The laboratory note-book must be presented by the candidate with the certificate for entrance. *One-half unit.*

Physiology. Textwork equal in amount to that contained in Huxley's Physiology. *One-half unit.*

Physics. Textwork equal in amount to that contained in Carhart and Chute's First Principles of Physics. *One unit.*

Chemistry. Textwork equal in amount to that contained in Remsen's Introduction to Chemistry. *One unit.*

In connection with the textwork in either Physics or Chemistry there will be required laboratory work comprising at least forty experiments by the candidate himself. The laboratory note-book, properly paged and indexed and certified by the teacher must be presented with the certificate for entrance.

TERMS OF ADMISSION

The unit used in determining the value of a study presented in satisfaction of the requirements for admission represents, in general, the work involved in four recitations of one hour each or five recitations of forty-five minutes each, per week for one academic year.

Candidates for the Degree of Bachelor of Arts

Applicants for admission intending to present themselves as candidates for the degree of Bachelor of Arts at graduation must present 14.5 units from the following list. The studies printed in heavy-faced type are required:

English	3 units
Latin	4 units
Greek, German or **French**	2 units
History	1 unit
Algebra	1.5 units
Plane Geometry	1 unit
History, Ancient	1 unit
History, English	1 unit
History, American	1 unit

Advanced Algebra	.5 unit
Solid Geometry	.5 unit
Plane Trigonometry	.5 unit
Physical Geography	.5 unit
Zoölogy	.5 unit
Botany	.5 unit
Physiology	.5 unit
Physics	1 unit
Chemistry	1 unit

Candidates for the Degree of Bachelor of Science

Applicants for admission intending to present themselves as candidates for the degree of Bachelor of Science at graduation must present 14.5 units from the following list. The studies printed in heavy-faced type are required:

English	3 units
German	2 units
Latin or **French**	2 units
History	1 unit
Algebra	2 units
Plane Geometry	1 unit
Solid Geometry	.5 unit
Plane Trigonometry	.5 unit
Physics or **Chemistry**	1 unit
History, Ancient	1 unit
History, English	1 unit
History, American	1 unit
Physical Geography	.5 unit
Zoölogy	.5 unit
Botany	.5 unit
Physiology	.5 unit

A candidate offering less than 14.5 units may be admitted with conditions to the extent of 2.5 units, but not more than one of these may be in any one subject.

Students who are not fully prepared to meet the requirements for admission will find adequate opportunity to complete their preparation in the *Summer Session* of Ursinus College.

Examinations for admission will be held on Monday and Tuesday of Commencement week, June 9 and 10, and on Tuesday, September 16, 1913, at the opening of the collegiate year. Applicants for examination should present themselves at the Dean's Office in Bomberger Hall.

SPECIAL STUDENTS

Applicants for admission may be received as special students provided they present 10 units of preparatory work. These units must be so distributed as to constitute the usual preparation for the college courses which the applicant desires to pursue.

When admitted, special students are enrolled as members of the groups they may choose to enter and are under the direction of the regular advisers. Special students must register for at least five standard courses or their equivalent, and are held accountable for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

ADMISSION TO ADVANCED STANDING

A student may be admitted to advanced standing at the beginning of any term, not later than the first term of the Fourth year; either

1. By Examination, in all the studies required for admission and in the studies which have been pursued by the class he may wish to enter, provided the candidate attain a grade not lower than B in such examination; or

2. From Another College, provisionally, to the standing which he held in the college he last attended, upon written evidence of his standing and of the work done.

GOVERNMENT

Students whose application for admission to college has been approved by the Faculty, become members of the institution by matriculating at the Dean's office.

REGISTRATION

All students must register at the opening of the college year for the work of the whole year, and will not be allowed to change their registration or drop courses of study, later than one week after registration day except by special permission of the Faculty.

ABSENCES

Students shall be allowed to absent themselves without excuse from any class as many times a term as the class meets a week.

Students who are obliged to be absent from class on account of athletic, musical or other activities in which they represent the College will be excused provided the dates of such absences have been previously designated and have been approved by the Faculty, or in cases of emergency, by the Dean. Absences incurred through sickness or death in the family may be excused by the Dean at his discretion. Absences for other reasons will not be excused, except by special vote of the Faculty.

A student who exceeds his allowed number of absences must take an extended examination for which he shall pay a fee of One Dollar.

Any student who shall have more unexcused absences than one-fourth the number of recitations in any one course during a term shall not be admitted to the final examination and shall be required to repeat the term's work.

ADVISERS

At the beginning of the year the Faculty appoints from its own number Advisers for the students in each of the seven Groups in which the courses of instruction are offered. The students of each Group are amenable to the Adviser of the Group in all matters of conduct, study and discipline. His approval is necessary before a student may register for or enter upon any course of study, or discontinue any work. He is the medium of communication between the Faculty and the students of his Group, and in a general way stands to his students in the relation of friendly counsellor.

GRADES OF SCHOLARSHIP

On the completion of a course the standing of a student is expressed, according to his proficiency, by one of five grades, designated respectively by the letters A, B, C, D, E. Grade E in any course denotes failure.

Each student is required to do a grade of work that shall average C in the courses pursued in any one year; and in the event of his failure to do so, shall be required to repeat in the following year such course or courses as may be necessary to raise the average grade to C, the repeated work to take precedence over any additional courses.

A permanent record is kept of each student's work, and a report of the same is sent to his parents or guardian at the close of each term.

PUBLIC WORSHIP

Students are required to attend religious services in the college chapel each day of recitations, and are expected to attend services on Sunday morning in some adjacent church of their own or their parents' choice.

When a student shall have been absent from chapel services more than one-eighth of the number of times such services are held during the year, without having been excused, such absences shall be counted as demerits and the student shall be liable to discipline.

COLLEGE LIFE

The College is committed both in principle and by tradition to a policy which opposes unnatural distinctions among its students. Secret or exclusive organizations are not permitted. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encouraged. A system of student government with powers inhering in the several groups and in a central representative body known as the Senate, encourages self-control and practice in civil affairs. The institution being organized on the group basis is unhindered by class rivalry and its attendant evils. The aim of the institution is to train its students through the performance of their social and civic obligations and duties, in those virtues which will fit them for the special responsibilities of educated men and women in after life.

COURSES OF INSTRUCTION

The following courses of instruction are provided for the year 1913-1914:

The courses are arranged as full courses or half-courses, according to the estimated amount of work in each and its value in fulfilling the requirements for graduation. Half-courses are designated as such, and, in general, represent three hours of class work a week for a half year, or two hours for a year. All other courses are full courses, requiring three hours of class work a week for a year, or two hours of class work and a prescribed amount of outside work.

A candidate for the degree of Bachelor of Arts or Bachelor of Science must complete twenty full courses or an equivalent amount of courses and half-courses.

LATIN

Professor KLINE.

1. Cicero, De Senectute, with a critical analysis of the essay.—Livy, Book XXI.—History of the Punic Wars.—Horace, the Odes with sight reading. The Horatian meters will be carefully studied, together with the interpretation of the poems.—Latin Prose Composition, once a week throughout the year. *Mon., Wed., Fri., at 10.*

   Course 1 is prescribed for all candidates for the degree of Bachelor of Arts.

2. Horace, Satires and Selected Epistles.—Cicero, De Oratore.—Horace, Ars Poetica. *Mon., at 12; Tu., Th., at 11.*

3. (*a*) Latin Comedy. Terence, Phormio and Heauton-Timorumenos.—Plautus, Captivi or Trinummus and Menæchmi. Lectures upon the ancient theater and kindred topics. (*b*) Cicero and Pliny the Younger, Selected Epistles. This part of the course is designed to train the student in the power of rapid reading, by covering a large amount of Latin of only moderate difficulty. *Tu., Th., at 9.*

4. Tacitus, Agricola, Germania and Selections from the Annals.—Lucretius, De Rerum Natura. *Tu., Th., at 9.*

   Courses 3 and 4 are given in alternate years; Course 4 will be given in 1913-1914.

   Courses 3 and 4 are optional as alternatives with the corresponding courses in Greek in the Classical group.

5. Teachers' Course.—A consideration of the aims and purposes of classical studies. Preparatory authors will be discussed and interpreted with special regard to the essential points in teaching. *Half-course (Second Term) three hours.* This work may be taken as part of course 3 or 4 in the latter part of the second term.

Course 5 is elective in the Latin-Mathematical group and for others in special cases.

GREEK

Professor WAILES, Professor KLINE.

1. Elementary Greek.—White's First Greek Book.—Elementary Composition.—Reading of Selections from the Anabasis of Xenophon. *Mon., at 12; Tu., Th., at 10.*

This course may be elected by students who wish to acquire by extraordinary effort, in one year, the ability to read Attic prose.

2. Xenophon, Memorabilia, Book I.—Homer, Iliad, Books I, II, III. —Greek Prosody.—Exercises in Scanning.—Charges against Socrates discussed.—Reading at sight. *Tu., Th., at 12; Wed., at 3.*

Course 2 is prescribed for all students in the Classical group who offer Greek for admission.

3. Herodotus, Babylonian History.—Study of the Ionic Dialect.— Plato, Apology and Crito.—Greek Philosophy.—Greek Literature. *Wed., Fri., at 12.*

Course 3 is prescribed in the Classical group, and is not offered in the other groups.

4. Demosthenes, De Corona.—Plan of the Oration and Grecian History discussed.—Æschylus, Agamemnon.—History of the Play.—Greek Theater.—Sophocles, Œdipus Tyrannus. *Hours to be arranged.*

5. Arrian, Selections from the Anabasis of Alexander.—Euripides, Iphigenia in Taurus.—Pindar, Selections from the Odes. *Hours to be arranged.*

Courses 4 and 5 are given in alternate years: Course 4 will be given in 1913-1914.

Courses 4 and 5 are optional as alternatives with the corresponding courses in Latin in the Classical group.

6. New Testament Greek.—The Synoptic Gospels and John. Luke will be used as a basis for the study of the Synoptic Gospels, and will be read exegetically, and Matthew and Mark will be read at sight. The Gospel according to John will be studied exegetically and parts of the Gospel will be read at sight.— Westcott and Hort, New Testament in Greek. Lectures on Special Introduction. *Tu., Th., at 2; Wed., at 12.*

7. New Testament Greek.—The Epistles. These are studied exegetically and preceded by lectures on Special Introduction. *Tu., Th., at 2; Wed., at 12.*

Courses 6 and 7 are offered in alternate years; Course 7 will be offered in 1913-1914.

ENGLISH

English Composition.

Professor Smith, Mr. Yost.

1. Rhetoric and English Composition.—Lectures on the theory of Rhetoric, recitations, written exercises weekly. Genung, Practical Rhetoric. One hour a week throughout the year. *Half-course, Wed., at 11.*

Course 1 is prescribed in all the groups.

2. English Composition.—Written exercises and individual conferences. Genung, Rhetorical Analysis. One hour a week throughout the year. *Half-course, Wed., at 9.*

Course 2 is a continuation of Course 1, and is prescribed in all the groups.

3. The Oration.—Studies in the theory and style of the Oration. Famous American orations are read critically. Each student must write at least two original orations. Denny, American Public Addresses. *Half-course (Second Term), three hours, to be arranged.*

Course 3 is elective for Third year and Fourth year students in all the groups.

4. Essays and Dissertations.—Six themes, argumentative or expository, requiring careful study of authorities. One hour a week throughout the year. *Half-course, hours to be arranged.*

Course 4 is elective in all the groups.

English Literature.

Professor Smith.

1. History of English Literature.—Detailed study of great writers. Lectures on the historical development of literary species. Century Readings in English Literature. Two hours a week throughout the year. *Half-course, Mon., Fri., at 11.*

Course 1 is prescribed in all the groups.

2. History of English Literature.—Study of masterpieces and discussions in class. Lectures on Literary Criticism. Gummere, Handbook of Poetics. Two hours a week throughout the year. *Half-course, Mon., Fri., at 9.*

Course 2 is a continuation of Course 1, and is prescribed in all the groups.

3. The English Drama.—An investigation of the origin and early development of the English Drama culminating in Marlowe and Shakespeare. *Half-course* (*First Term*), *Tu., Th., at 10; Fri., at 12.*

4. Modern Essayists.—The essay form discussed with special attention to its modern development. The authors chiefly studied are Lamb, Macaulay and Stevenson. *Half-course* (*Second Term*), *Tu., Th., at 10; Fri., at 12.*

5. Modern Poetry.—Lectures and critical readings to illustrate the main tendencies of modern poetry. The poets chiefly studied are Tennyson, Browning and Matthew Arnold. *Half-course* (*First Term*), *Tu., Th., at 10; Fri., at 12.*

6. Eighteenth Century Essayists.—The aim of this course is to trace the early development of the essay form, and to interpret the history of the period by its literature. *Half-course* (*Second Term*), *Tu., Th., at 10; Fri., at 12.*

Courses 5 and 6 will not be offered in 1913-1914.

7. Elements of Literary Criticism.—The essential elements of literature, its chief forms, and the different methods and principles of criticism discussed. There will be constant illustration and application of these principles throughout the course. Winchester, Principles of Literary Criticism. *Hours to be arranged.*

8. Anglo-Saxon.—Smith, Old English Grammar.—Bright, Anglo-Saxon Reader.—Emerson, History of the English Language. *Hours to be arranged.*

Course 8 is required in the English Historical Group.

Courses 5, 6, 7 and 8 are elective in all the groups.

GERMAN

Professor Vogl, Mr. Yost.

1. Elementary German.—Pronunciation, grammar, memorization of short German poems, practice in speaking and writing.—Bierwirth, Beginning German.—Allen, Herein.—Zschokke, Der zerbrochene Krug.—Heyse, L'Arrabbiata.—Bacon, Im Vaterland. *Tu., Th., Fri., at 9.*

This course is prescribed for all students who do not offer German for admission.

2. Second Year German.—Review of grammar, oral and written exercises, German songs, memorization of short poems, prose

readings such as: Die Schildbürger.—Bacon, Im Vaterland. —Seidel, Leberecht Hühnchen.—Storm, Auf der Universität. —Wildenbruch, Das edle Blut.—Keller, Kleider machen Leute. *Mon., at 12; Tu., Th., at 10.*

Course 2 is intended primarily for students who have taken Course 1 in college.

3. Intermediate German.—Review of grammar, conversation and written composition, selections from modern and classical German literature such as: Goethe, Hermann und Dorothea. —Freytag, Die Journalisten.—Eichendorff, Aus dem Leben eines Taugenichts.—Schiller, Maria Stuart.—Vilmar und Richter, German Epic Tales.—Riehl, Das Spielmannskind; Der stumme Ratsherr.—Reading at sight. *Tu., Th., at 11; Fri., at 12.*

4. Intermediate German.—Review of grammar, conversation and written composition, selections from modern and classical German literature such as: Lessing, Minna von Barnhelm.—Goethe, Iphigenie.—Heyse, Anfang und Ende.—Keller, Fähnlein der sieben Aufrechten.—Meyer, Gustav Adolfs Page.—Chamisso, Peter Schlemihl.—Reading at sight. *Tu., Th., at 11; Fri., at 12.*

Courses 3 and 4 are intended for students who offer German for admission, and are given in alternate years. Course 3 will be given in 1913-1914.

5. Advanced German.—History of the German language and literature, writing in German of themes on assigned topics, conversation, especial study of the literature of the classical period.—Lessing, Emilia Galotti; Nathan der Weise.—Schiller, Ballads; Dramas.—Goethe, Lyrics; Faust I.—"Die besten Gedichte." *Two hours, to be arranged.*

6. Advanced German.—Conversation, class discussions in German on assigned topics, written themes, survey of modern German literature and rapid reading of modern writers.—Sudermann, Der Katzensteg; Die Ehre.—Hauptmann, Der Biberpelz; Die Weber.—Grillparzer, Sappho.—Hebbel, Maria Magdalene.—Wagner, Operas.—German newspapers. *Two hours, to be arranged.*

Courses 5 and 6 are given in alternate years. Course 5 will be given in 1913-1914.

The lectures on the history of the German language and literature are given in German, the recitations in Courses 5 and 6 are carried on in German, and the recitations in other courses as much as possible in German.

7. Teachers' Course.—Elementary phonetics, practice in pronunciation, review of grammar from the standpoint of the teacher, discussion of textbooks, classroom teaching. Required of all who desire to be recommended as teachers of German. *Half-course, hours to be arranged.*

FRENCH

Professor Vogl.

1. Elementary French.—Pronunciation, grammar, easy reading with practice in speaking and writing.—Fraser and Squair, French Grammar and Reader.—Churchman, Introduction to the Pronunciation of French.—Bruno, Les Enfants Patriotes.—Malot, Sans Famille.—Laboulaye, Contes Bleus. *Mon., Tu., Th., Fri., at 8.*

   This course is prescribed for all students who do not offer French for admission. For students electing the Classical and Latin-Mathematical groups it absolves the requirements in French. Other students must take Course 2 or 3.

2. Intermediate French.—Pronunciation, grammar, oral and written exercises, dictation, prose readings such as: Daudet, Le petit Chose.—Chateaubriand, Atala.—Labiche and Martin, Le Voyage de M. Perrichon.—Pailleron, L'Etincelle.—La Brète, Mon Oncle et mon Curé.—Augier and Sandeau, Le Gendre de M. Poirier. *Tu., Wed., Th., at 12.*

3. Intermediate French.—Pronunciation, grammar, oral and written exercises, dictation, prose readings such as: Erckmann-Chatrian, Histoire d'un Paysan.—Pailleron, Le Monde où l'on s'ennuie.—Daudet, La Belle-Nivernaise.—Halévy, L'Abbé Constantin.—Feuillet, Roman d'un jeune homme pauvre.—Hugo, La Chute. *Tu., Wed., Th., at 12.*

   Courses 2 and 3 are given in alternate years. Course 3 will be given in 1913-1914.

4. Advanced French.—History of the French language and literature, composition and conversation, readings from the classical period.—Corneille, Le Cid; Horace.—Molière, L'Avare; Le Bourgeois Gentilhomme.—Beaumarchais, Le Barbier de Séville.—La Fontaine, Fables.—Racine, Athalie. *Wed. Fri., at 11.*

5. Advanced French.—Rapid reading of modern French authors, composition and conversation.—Loti, Pêcheur d'Islande.—Mérimée, Colomba.—Dumas fils, La Question d'Argent.—Maupassant, Huit Contes Choisis.—Lamartine, Graziella.—Zola, Selections.—Hugo, La Chute.—Pellissier, Mouvement littéraire au XIX siècle. *Wed., Fri., at 11.*

Courses 4 and 5 are offered in alternate years. Course 5 will be offered in 1913-1914. Students in the Modern Language group are required to take one or the other. To other students they are elective, with the permission of the instructor.

PHILOSOPHY

Professor DRESSER.

1. Logic.—A study of the formal laws of thought, with their application to the special methods of the sciences; outlines of the general character of the thinking process; introduction to the problems of philosophy. *Half-course (Second Term), Mon., Wed., Fri., at 9.*

2. Psychology.—A study of the nature of consciousness in its relation to external conditions and cerebral accompaniments, and its various states and functions. A fundamental course. Lectures, demonstrations and required readings. *Half-course (First Term), Mon., Wed., Fri., at 9.*

Courses 1 and 2 are prescribed in all the groups.

3. History of Ancient and Mediaeval Philosophy.—The beginnings of philosophical speculation in Greece; Socrates; Plato; Aristotle, and the philosophical systems of the Hellenic-Roman period. *Half-course (First Term), three hours, to be arranged.*

4. History of Modern Philosophy.—Descartes; Spinoza; Leibniz; the English Empiricists; Kant and Post-Kantian idealism; recent philosophical tendencies. *Half-course (Second Term), three hours, to be arranged.*

Courses 3 and 4 are required of all candidates for honors in philosophy.

5. Ethics.—A study of the principles of moral judgment, with exposition and criticism of the great theories concerning the basis of the distinction between right and wrong conduct. A consideration of the various problems of theoretical and practical ethics. Papers by students. *Half-course (First Term), Mon., Wed., Fri., at 8.*

Course 5 is prescribed in all the groups.

6. Educational Psychology.—A study of the psychological principles of learning and teaching. This course is advised for all candidates for the profession of teaching. Prerequisites, Philosophy 2, Education 1. *Half-course (Second Term), three hours, to be arranged.*

Course 6 is elective for all Third year and Fourth year students.

7. Metaphysics.—A study of the leading types of philosophical theory. Papers by students on assigned topics. *Half-course (Second Term), three hours, to be arranged.*

8. Æsthetics.—Outline study of the general features of the various fine arts, with discussion of the principal æsthetic problems. *Half-course, hours to be arranged.*

Courses 3, 4, 7 and 8 are elective for fourth-year students in all the groups.

EDUCATION

Professor Omwake.

1. History of Education.—The ruling ideal in education traced in its development and modifications through the various stages of civilization.—Lectures, collateral readings and papers by students. *Half-course, two hours throughout the year, to be arranged.*

Course 1 is prescribed in the Modern Language and the English-Historical groups, and is elective in the other groups.

2. Philosophy of Education.—A study of the doctrines of leading educators of the nineteenth century, followed by a constructive study of education in view of modern conditions and in the light of contemporary science and philosophy. Lectures, collateral readings and papers by students. *Half-course (Second Term), Mon., Wed., Fri., at 11.*

3. Practice of Education.—A consideration of the problems involved in school organization, administration and management, with special reference to secondary education. Lectures, collateral readings and papers by students. *Half-course, two hours throughout the year, to be arranged.*

Courses 2 and 3 are elective for Fourth-year students in all the groups.

THE ENGLISH BIBLE

Professor Good, Professor Wailes.

1. Studies in the Old Testament.—The religious development of Ancient Israel. Special study of the work and words of the Prophets. Lectures with collateral readings. *Half-course, Tu., Th., at 3.*

Course 1 is prescribed for first-year students in all of the groups.

2. Studies in the New Testament.—The life and teachings of Christ. The Apostolic Age as reflected in The Acts and the Epistles. Lectures with collateral readings. *Half-course, Wed., Fri., at 2.*

Course 2 is prescribed for third-year students in all the groups.

HISTORY OF THE CHRISTIAN CHURCH

Professor Good.

1. History of the Early Church.—The spread of the Gospel.—Roman Persecutions.—Government and Discipline of the Church.—Christian Life and Worship, Literature and Doctrine. *Half-course (Second Term), hours to be arranged.*

2. History of the Reformation.—The rise and progress of Protestantism.—The Reformation in Germany, Switzerland, France and Scotland.—Development of Christian Doctrine. *Half-course (Second Term), hours to be arranged.*

Courses 1 and 2 are offered in alternate years. Course 1 will be offered in 1912-1913.

HISTORY

Professor Hirsch

1. Mediaeval and Modern History. An introductory course covering the period from the establishment of the empire of Charlemagne to the nineteenth century. A study is made of the social, economic and cultural changes in the development of Western Europe. Emphasis is placed on such phases as feudalism, the papacy, commercial development, the Renaissance, the Protestant revolt, intellectual reform and the French Revolution. *Mon., Wed., Fri., at 11, throughout the year.*

Course 1 is prescribed in all groups.

2. Democratic Movement of the Nineteenth Century. A consideration of the political and social changes wrought in the last century, emphasizing the rise and development of democratic institutions, the evolution of constitutional government in European states, the unification of Germany and of Italy, the Eastern situation and its recent changes, reforms in England and the peace question. *Half-course (Second Term), Mon., Wed., Fri., at 8.*

Course 2 is open to students who have had Course 1 or its equivalent.

Course 2 alternates with Course 5; not given in 1913-1914.

3. History of England.—From Cæsar's invasions to the present time.

A study is made of the origin and growth of Anglo-Saxon institutions. As the course is designed to give a background for a study of American History some attention is given to the church in addition to the social and constitutional changes. *Half-course (First Term), Mon., Wed., Fri., at 8.*

4. American History.—The course is divided into three parts: *a.* Colonial History; *b.* Formation of the Union; *c.* Division and Reunion. Four phases are studied: economic, social, constitutional and ecclesiastical, and an attempt is made to show the relation between these phases. The colonial political systems, the social conditions in the colonies, the background for the constitution, the rise and growth of political parties, westward expansion, the influence of slavery and the reconstruction period are carefully considered. While the best secondary works are read and criticised, a careful study is also made of important source material. *Mon., Wed., Fri., at 9.*

Courses 2, 3 and 4 are prescribed in the Historical-Political group.

5. Historical Method.—This course is intended primarily for persons who contemplate teaching history. While it embraces a study of the meaning, literature and utility of history, the theory and methods of research and writing, it also emphasizes the principles of history teaching in secondary schools. *Half-course (Second Term), Mon., Wed., Fri., at 8.*

Course 5 alternates with Course 2; will be offered in 1913-1914.

POLITICAL SCIENCE

Professor Hirsch.

1. Economics.—A practical course in the development of economic theory and activity. Supply and demand, public and private finance, production, distribution and consumption, the tariff, monopolies and labor unions are each given consideration. *Half-course (First Term), Mon., Wed., Fri., at 10.*

Course 1 is prescribed in all the groups.

2. Economic History.—A survey is made of European and American economic history. Mediaeval trade, fairs, town life, land systems, modern exploration, economic organizations, credit and crises, mercantile systems and the machinery of commerce are studied. Special stress is laid on the English and the American industrial revolutions, natural resources, the westward movement, industries and economic integration. *Half-course (Second Term), Mon., Wed., Fri., at 10.*

Course 2 alternates with Course 4; not given in 1913-1914.

3. Public Finance.—Designed to supplement the work in Economics, this course gives consideration to the needs and resources of

the modern state, the forms and principles of taxation, the issues involved in public debt and the financial systems of various governments of the world with special reference to money and banking. *Half-course (Second Term), hours to be arranged.*

4. Sociology.—A foundation course involving the basic principles and interests of social activity. Primitive social control, the evolution of the family, the history of marriage, modern society, social diseases and their cure are studied in their logical order. *Half-course (Second Term), Mon., Wed., Fri., at 10.*

Course 4 alternates with Course 2; will be offered in 1913-1914.

5. Modern Social Problems.—This course is designed to supplement the work in Sociology. A careful study is made of poverty, juvenile delinquency, crime among males and females, social therapeutics. Course 4 is a prerequisite. *Half-course (Second Term), Tu., Th., at 8.*

Course 5 alternates with Course 7; will not be offered in 1913-1914.

6. Introduction to Political Science. Such subjects as the nature of the state, its evolution, purposes and theories, sovereignty, law and international relations, are considered. *Half-course (First Term), Tu., Th., at 8.*

7. American Government.—Observing throughout the historic background, an extensive and critical study is made of American political institutions, embracing a consideration of the federal constitution, the origin and work of political parties and the problems of administration in state and nation. *Half-course (Second Term), Tu., Th., at 8.*

Course 7 alternates with Course 5; will be offered in 1914.

Courses 6 and 7 are prescribed in the Historical-Political group.

MATHEMATICS AND ASTRONOMY

Professor Clawson.

1. A brief review and further study of alegebraic ideas; functions, equations and their graphic representation; logarithms; plane trigonometry; further topics in advanced algebra; the geometry of space. Hawkes, Advanced Algebra; Paterson, Elementary Trigonometry; Stone and Millis, Solid Geometry. *Mon., Wed., Fri., at 9.*

Course 1 is prescribed in all the groups.

Optional work with field instruments is offered in connection with the study of trigonometry.

2. A brief review and further study of analytic trigonometry; polar coördinates; the methods of Cartesian analytic geometry and its application to the geometry of the conic sections; the differentiation and integration of the simplest functions and a few applications, chiefly in geometry and mechanics. Smith and Granville, Elementary Analysis. *Mon., Wed., Fri., at 10.*

   Course 2 is prescribed in the Latin-Mathematical and Mathematical-Physical groups and for all candidates for the degree of Bachelor of Science. It is elective in the other groups.

3. (*a*) Descriptive Geometry.—An elementary course such as is required in this subject in all technical schools; a study of the representation of points, lines, planes, and curved surfaces; projections, sections, and developments.—Ferris, Elements of Descriptive Geometry. *Three hours, to be arranged.*

   (*b*) Mechanical Drawing.—A thorough elementary drill to familiarize students with the use of instruments; a study of lettering; original problems, illustrating the principles of descriptive geometry. *One period of two hours, to be arranged.*

   Course 3 is a half-course, elective in the Latin-Mathematical and Mathematical-Physical groups.

4. A standard course in the methods of the differential and integral calculus with applications; the elements of solid analytic geometry. Davis, The Calculus. *Mon., at 12; Tu., Th., at 10.*

   Course 4 is prescribed in the Latin-Mathematical and Mathematical-Physical groups and is elective in the other groups.

5. This course varies from year to year in accordance with the special needs of the class. A further study of some branch of geometry or analysis or both is undertaken. Half of the course may be devoted to a teachers' course in secondary mathematics. *Mon., Wed., Fri., at 11.*

   Course 5 is prescribed in the Mathematical-Physical group and is elective in the Latin-Mathematical group.

6. A course in general Astronomy. *Half-course, hours to be arranged.*

   Course 6 is elective for all students who have taken Mathematics 1.

PHYSICS

Professor Rapp.

2. General Physics.—A year's course in general College Physics, consisting of both class and laboratory work. *Class work, Tu., Th., at 9. Laboratory work, Tu., Th., 2-4.*

   Course 2 is prescribed in the Mathematical-Physical group and is elective in all the other groups.

3. Light and Molecular Physics.—A lecture course involving the use of the calculus and covering the more important sections of Geometrical and Physical Optics, the Kinetic Theory and Elementary Thermodynamics. Constant reference will be made to advanced texts on the different subjects. Prerequisites, Physics 2 and Mathematics 4. *Mon., Wed., Fri., at 12.*

4. Mechanics and Electricity and Magnetism.—A series of lectures in Theoretical Electricity and Magnetism followed by a study of the principles of Mechanics. References: Foster and Porter, Electricity and Magnetism; Ziwet, Theoretical Mechanics; Tait and Steele, Dynamics of a Particle, Prerequisites, Physics 2, Mathematics 4. *Mon., Wed., Fri., at 12.*

Courses 3 and 4 are prescribed in the Mathematical-Physical group and are elective to those who have had the prerequisites.

Courses 3 and 4 are given in alternate years; Course 3 will be given in 1913-1914.

CHEMISTRY

Professor Beardwood, Professor Rapp.

1. General Chemistry.—Experimental lectures, oral and written recitations, and laboratory work. The lecture periods are devoted to the discussion of facts and theories of general chemistry and are kept thoroughly parallel with the laboratory periods, each being the parts of a coherent whole; thus assuring to the student a comprehensive and connected view of the important facts, theories and laws of general chemistry. Remsen, College Chemistry. Meyer, Outlines of Theoretical Chemistry. *Wed., Fri., at 2.*

Laboratory Work.—Experiments and analysis. Each student performs over two hundred experiments in general chemistry, after which he learns the methods of qualitative analysis and is required to separate and identify elements in all the groups. He preserves a record of all laboratory work done in a note-book, properly paged and indexed. *Wed., Fri., at 3. Laboratory work, five hours weekly.*

Course 1 is prescribed in the Chemical-Biological group, and is elective in the other groups.

2. Analytical Chemistry.—Lectures, demonstrations and laboratory work. A thorough course in qualitative and quantitative analysis of inorganic substances; this includes the theory and practice of typical gravimetric and volumetric methods of analysis. Prerequisite, Course 1. Newth, Manual

of Chemical Analysis. Fresenius, Qualitative and Quantitative Analysis. *Wed., Fri., at 2. Laboratory work, five hours weekly.*

3. (*a*) Organic Chemistry.—Lectures, recitations and laboratory work. The study of the properties, synthesis and structure of the most important classes of the carbon compounds. The student prepares and studies experimentally the typical carbon compounds. Remsen, Organic Chemistry. Von Richter, Organic Chemistry. *Wed., Fri., at 2.*

(*b*) Physiologic Chemistry.—Lectures, recitations and laboratory work. This includes a study of the chemic composition of the body and the chemic changes it undergoes; the chemistry of foods, the action of the digestive enzymes upon them, and the chemistry of the different body fluids. Halliburton, Physiologic Chemistry. *Wed., Fri., at 2.*

Courses 2 and 3 are given in alternate years. Course 2 will be given in 1913-1914.

Course 2 is prescribed in the Chemical-Biological group and is elective in the other groups for students who have taken Course 1.

GEOLOGY

Professor Crow.

1. Geology.—A general study of the formation of the earth's crust and the agencies which modify it. Attention will be given to the animal and vegetable types of each period. Local geology will be studied in several field trips. Biology 2 prerequisite. *Half-course (Second Term), hours to be arranged.*

BIOLOGY

Professor Crow.

1. Physiology.—Recitations and lectures designed to give the student clear ideas as to the general structure and essential processes of the human body. The lectures are accompanied by demonstrations, ample facilities for which are at hand in the laboratory. *Half-course (Entire Year), Wed., at 8.*

Course 1 is elective in all groups.

2. General Biology.—A systematic study of structure and function, and of the relation of organisms to their surroundings. Special lectures are devoted to the discussion of the important principles of Biology—Heredity, Variation, Evolution, Development. *Tu., Th., at 9.*

Field Work.—One afternoon each week during the Spring months.

Laboratory Work.—Two afternoons each week are devoted to a practical study of forms and structures illustrative of the topics treated in the lectures, and of the main groups of both plant and animal kingdoms. Each student is required to make careful drawings and to keep a permanent record of his observations. *Tu., Th., 2-4.*

Course 2 is prescribed in the Chemical-Biological group and is elective in the other groups.

3. Botany.—A study of those portions of the science deemed of most value to the student. The course falls into three parts: The first continues the study of types begun in the previous year, and includes a scheme of classification from the standpoint of development. The second is devoted to a special consideration of primary and fundamental physiological processes. The third deals with the relations of plants to the physical factors of their environment, to other plants, to animals, and with their relation to man. *Mon., Wed., 9. Laboratory work four hours per week.*

4. Comparative Anatomy of the Vertebrates.—A study of the classification, external characteristics and organ-systems of the vertebrates. Laboratory work on such types as amphioxus, shark, bony fish, salamander, frog, lizard, pigeon and cat. Attention is also given to the human skeleton. Reference book: Parker and Haswell, Zoölogy, Vol. II. Lectures and recitations. *Mon., Wed., 9. Laboratory work four hours per week.*

Courses 3 and 4 are given in alternate years. Course 4 will be given in 1913-1914.

Courses 3 and 4 are prescribed in the Chemical-Biological group, and are elective in other groups for students who have taken Course 2.

5. Histology.—A study of the function and minute structure of the tissues and organs of the animal body with particular reference to the mammals and man. References: Stohr-Lewis, Histology; Piersol, Histology. Lectures, recitations and laboratory work six hours per week. Courses 2 and 4 are prerequisite. *Half-course (Second Term), hours to be arranged.*

6. Embryology.—A course in the development of the external form and internal organs of typical vertebrates. The shark, frog, chick and pig will be used as types. References: Marshall, Vertebrate Embryology; Minot, Embryology. Lillie, Development of the Chick. Lectures, recitations and laboratory work six hours per week. Courses 2 and 4 are prerequisite. *Half-course (First Term), hours to be arranged.*

Courses 5 and 6 will be given in alternate years with Course 7 and Course 1 in Geology.

Courses 7 and Course 1 in Geology will be given in 1913-1914.

7. Bacteriology.—A study of the behavior and activity of the bacteria which are more or less intimate with everyday life. Special attention will be given the micro-organisms in milk, water and sewage. Lectures, recitations and laboratory work six hours per week. Course 2 prerequisite. *Half-course (First Term), Tu., Th., Sat., 10-12.*

Courses 5 and 6 will be given in alternate years with 7 and Course 1 in Geology.

Course 7 and Course 1 in Geology will be given in 1913-1914.

MUSIC

Mr. Jolls, Miss Green.

1. Sight Singing and Ear Training.—Notation, rhythm, tone relations, scale relations, transitions, modes, modulations and intervals. A fundamental course. *Half-course. Two hours per week.*
2. Harmony.—Triads and their inversions. Chords of the seventh. Augmented sixth chords. Modulations. Transpositions. Suspensions. *Three hours per week.*
3. Advanced Harmony and Counterpoint.—Harmonizing melodies. Analysis of chorals. Insertion of more than four parts. Enharmonic changes. Strict and free counterpoint. Double counterpoint. Canon. Imitation. Fugue. *Three hours per week.*
4. History of Music. Development of music in its various forms from the beginning of the Christian era to the present time, with special reference to the progress of musical taste and culture. Text, lectures and collateral reading. *Half-course. One hour per week.*

Private instruction is provided in Practical Music (piano and voice). For terms see page 59.

GROUPS OF COURSES

The Courses of Instruction named in the preceding pages are offered in carefully arranged groups, each comprising (1) dominant subjects, which adapt the courses to the needs of particular classes of students and afford special preparation for professional study; (2) related subjects, to give the breadth and symmetry requisite in a liberal education; (3) studies common to all the groups and required of all students.

A student may substitute, with the approval of his group Adviser and the Faculty, other studies for elective courses laid down in his group; or, at the close of a year, he may change to another group. When a student changes to another group he will, however, receive credit on his required work for graduation only for such of the prescribed courses which he may have completed as are included in the group to which he has received permission to change.

CHOICE OF STUDIES

Before a student may register he must obtain his Adviser's approval of his choice of studies (in a book provided for that purpose). He must include in the list all his studies, both prescribed and elective, *for the whole year.*

A student is not allowed to register for more than five and one-half courses in any one year, nor for less than four courses in the Fourth year, without special permission of the Faculty. In case of conditions in any year a student, with the consent of his Adviser and the Dean, may take in addition to his regular schedule, conditions equivalent to one full course. Courses to satisfy conditions shall take precedence of regular courses.

REQUIREMENTS FOR GRADUATION

A student must complete, for the degree of Bachelor of Arts or Bachelor of Science, *twenty full courses,* or an equivalent number of courses and half-courses, as follows: First year, five and one-half courses; Second year, five courses; Third year, five courses; Fourth year, four and one-half courses. If at the beginning of any year after the first, his record of work done is complete he may elect an extra course.

Such extra course does not count towards the twenty full courses required of him for a degree, but may count for department honors. A student electing an extra course must complete it the same as a regular course.

Number of Courses from each Department Prescribed for Graduation in each of the Several Groups

Groups	Latin	Greek	English	German	French	Philosophy	Education	Bible	History	Economics	Politics	Mathematics	Science (Laboratory)
A. B. Classical	3 or 4	3 or 2	2	1	1	1½		1	1	½		1	1
A. B. Latin—Mathematical	3		2	2	1	1½		1	1	½		3	1
A. B. Mathematical—Physical	1		2	1	2	1½		1	1	½		3	3
B. S.			2	2	2	1½		1	1	½		3	3
A. B. Chemical—Biological	1		2	1	2	1½		1		½		1	5
B. S.			2	2	2	1½		1		½		2	5
A. B. Historical—Political	1		2	2	2	1½		1	3	½	1	1	1
B. S.			2	2	2	1½		1	3	½	1	2	1
A. B. English—Historical	1		4	1	2	1½	1	1	2	½		1	1
B. S.			4	2	2	1½	1	1	2	½		2	1
A. B. Modern Languages	1		2	3 or 4	3 or 2	1½	½	1	1	½		1	1
B. S.			2	3 or 4	3 or 2	1½	½	1	1	½		2	1

The requirements in modern languages and laboratory science must be fulfilled one year prior to graduation.

On the following pages, in the tabulated statement of the Groups, the figures or letters attached to the subjects refer to the courses of instruction as arranged according to departments in the preceding pages.

Prescribed courses are printed in **Heavy-Faced Type**; elective courses in light-faced type.

Groups of Courses

CLASSICAL GROUP

First Year

Latin 1
Greek 1 *or* **2**
Mathematics 1
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1; *or*
French 1
Biology 1, *hf.*

Second Year

Latin 2
Greek 2 *or* 3
English Comp. 2, *hf.*
English Lit. 2, *hf.*
History 1
German 2 *or* 3
French 1
Biology 1, *hf.*
Chemistry 1; *or*
Biology 2
Mathematics 2

Third Year

Latin 4; *or*
Greek 4 *or* 7
Philosophy 1, 2
Political Science 1, *hf.*
English Bible 2, *hf.*
Chemistry 1
Biology 2 *or* 4
Physics, 2
Geology 1, *hf.*
Political Science 3, *hf.*
Political Science 4, *hf.*
Philosophy 6, *hf.*
Education 1, *hf.*
English Comp. 3, *hf.*
English Lit. 3, *hf.*
English Lit. 4 *hf.*
English Lit. 7
French 2
German 2 *or* 3
History 2 *or* 5
Mathematics 2
Astronomy

Fourth Year

Greek 4 *or* 7; *or*
Latin 4
Philosophy 5, *hf.*
Latin 5
Church History 1, *hf.*
Education 1, *hf.*
Education 2, *hf.*
Education 3, *hf.*
Philosophy 3, *hf.*
Philosophy 4, *hf.*
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
English Comp. 3, *hf.*
English Comp. 4, *hf.*
English. Lit. 3, 4
English Lit. 7
English Lit. 8 *hf.*
German 3 *or* 5
History 2 *or* 5
Political Science 3, *hf.*
Political Science 4, *hf.*
Astronomy

LATIN-MATHEMATICAL GROUP

First Year

Latin 1
Greek 2; *or*
German 2 *or* 3
Mathematics 1
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1*
French 1
Biology 1, *hf.*

Second Year

Latin 2
Mathematics 2
English Comp. 2, *hf.*
English Lit. 2, *hf.*
History 1
French 1
German 2 *or* 3
Biology 1, *hf.*
Biology 2
Chemistry 1

Third Year

Latin 4; *or*
Mathematics 4
Philosophy 1, 2
Political Science 1, *hf.*
English Bible 2, *hf.*
Education 1, *hf.*
Chemistry 2
Biology, 2 *or* 4
Physics 2
Geology 1, *hf.*
Mathematics 3, *hf.*
Political Science 3, *hf.*
Political Science 4, *hf.*
English Comp. 3 *hf.*
English Lit. 3, *hf.*
English Lit. 4, *hf.*
English Lit. 7
French 2
German 3
History 3, 5
Astronomy

Fourth Year

Mathematics 4; *or*
Latin 4
Philosophy 5, *hf.*
Mathematics 5
Education 1, *hf.*
Education 2, *hf.*
Education 3, *hf.*
Philosophy 3, *hf.*
Philosophy 4, *hf.*
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
English Comp. 3, *hf.*
English Comp. 4, *hf.*
English Lit. 3, 4, 7 *or* 8
Latin 5
History 3, 5
Political Science 3, *hf.*
Political Science 4, *hf.*
German 5
Astronomy

*Prescribed for students who have not offered the subject for admission.

MATHEMATICAL-PHYSICAL GROUP

First Year

Latin 1; *or*
German 2 *or* 3
French 1 *or* 2
Mathematics 1 *or* 2
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1*
Chemistry 1
Biology 1, *hf.*

Second Year

Mathematics 2; *or*
Physics 2
French 2; *or*
German 2 *or* 3
English Comp. 2, *hf*
English Lit. 2, *hf.*
History 1
French 2
German 2 *or* 3
Biology 1, *hf.*
Biology 2
Chemistry 1
Geology 1, *hf.*

Third Year

Mathematics 4
Physics 3 *or* 4
Philosophy 1, 2
English Bible 2, *hf.*
Political Science 1, *hf.*
Mathematics 3, *hf.*
Political Science 3, *hf.*
Education 1, *hf.*
Chemistry 2
Biology 2 *or* 4
Geology 1, *hf.*
English Comp. 3, *hf.*
English Lit. 3, *hf.*
English Lit. 4, *hf.*
English Lit. 7
French 4
German 3 *or* 5
History 3, 5
Astronomy

Fourth Year

Mathematics 5; *or*
Physics 3 *or* 4
Philosophy 5, *hf.*
Philosophy 3, 4
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
Education 1, *hf.*
Education 2, *hf.*
Education 3, *hf.*
English Comp. 3, *hf.*
English Comp. 4, *hf.*
English Lit. 3, 4; 7 *or* 8
German 5
French 4
History 3, 5
History 4
Political Science 3, *hf.*
Political Science 4, *hf.*
Astronomy

*Prescribed for students who have not offered the subject for admission.

CHEMICAL-BIOLOGICAL GROUP

First Year

Latin 1; *or*
German 2 *or* 3
French 1 *or* **2**
Mathematics 1 *or* **2**
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1*
Chemistry 1
Biology 1, *hf.*

Second Year

Chemistry 1
Biology 2
French 2; *or*
German 2 *or* 3
English Comp. 2, *hf.*
English Lit. 2, *hf.*
French 2
German 2 *or* 3
Mathematics 2
History 1
Geology 1, *hf.*
Biology 1, *hf.*

Third Year

Chemistry 2
Biology 3 *or* 4
Philosophy 1, 2
English Bible 2, *hf.*
Political Science 1, *hf.*
Political Science 3, *hf.*
Political Science 4, *hf.*
Education 1, *hf.*
Geology 1, *hf.*
Physics 2
English Comp. 3, *hf.*
English Lit. 3, *hf.*
English Lit. 4, *hf.*
English Lit. 7
German 5
French 2
History 3, 5
Mathematics 3, *hf.*
Mathematics 4
Astronomy

Fourth Year

Biology 4 *or* 3
Philosophy 5, *hf.*
Biology 7, *hf.*
Chemistry 3
Philosophy 3, 4
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
Education 2, *hf.*
Education 3, *hf.*
English Comp. 3, *hf.*
English Comp. 4, *hf.*
English Lit. 3, 4; 7 *or* 8
German 3
French 4
Political Science 3, *hf.*
Political Science 4, *hf.*
Mathematics 4
Astronomy

*Prescribed for students who have not offered the subject for admission.

HISTORICAL-POLITICAL GROUP

First Year

Latin 1; *or*
French 1 *or* 2
German 2 *or* 3
Mathematics 1 *or* 2
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1*
Chemistry 1
Biology 1, *hf.*

Second Year

History 1
French 2
German 2 *or* 3
English Comp. 2, *hf.*
English Lit. 2, *hf.*
Chemistry 1
Geology 1, *hf.*
Biology 1, *hf.*
Biology 2
Mathematics 2

Third Year

History 3, 5
Political Science 1, *hf.*
Philosophy 1, 2
English Bible 2, *hf.*
Political Science 3, *hf.*
Political Science, 4, *hf.*
Chemistry 1
Chemistry 2
Physics 2
Geology 1, *hf.*
Biology 2 *or* 4
Education 1, *hf.*
English Comp. 3, *hf.*
English Lit. 3, *hf.*
English Lit. 4, *hf.*
English Lit. 7
French 2
German 3
Mathematics 4
Astronomy

Fourth Year

History 4
Political Science 6, 7
Philosophy 5, *hf.*
Political Science 3, *hf.*
Political Science, 4, *hf.*
Church History, 1 *hf.*
Education 1, *hf.*
Education 2, *hf.*
Education 3, *hf.*
Philosophy 3, 4
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
English Comp. 3, *hf.*
English Comp. 4, *hf.*
English Lit. 3, 4, 7 *or* 8
French 4
German 3
German 5
Mathematics 4
Astronomy

*Prescribed for students who have not offered the subject for admission.

ENGLISH-HISTORICAL GROUP

First Year

Latin 1; *or*
German 2 *or* 3
French 1 *or* 2
Mathematics 1 *or* 2
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1*
Chemistry 1
Biology 1, *hf.*

Second Year

English Comp. 2, *hf.*
English Lit. 2, *hf.*
History 1
French 2; *or*
German 2 *or* 3
Latin 2
Chemistry 1
Geology 1, *hf.*
Biology 1, *hf.*
Biology 2
Mathematics 2

Third Year

English Lit. 8
Philosophy 1, 2
History 3, 5
English Bible 2, *hf.*
Education 1, *hf.*
Political Science 3, *hf.*
Political Science, 4, *hf.*
Chemistry 1
Chemistry 2
Geology 1, *hf.*
Physics 2
English Comp. 3, *hf.*
English Lit. 7
English Lit. 3, 4
French 2
Mathematics 3, *hf.*
Mathematics 4
Astronomy

Fourth Year

English Lit. 3, 4; *or* 7
History 4
Philosophy 5, *hf.*
Education 2, *hf.*
Education 3, *hf.*
Philosophy 3, 4
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
English Comp. 3, *hf.*
English Comp. 4, *hf.*
English Lit. 3, 4
English Lit. 7
French 2 *or* 4
German 3
German 5
Political Science 3, *hf.*
Political Science 4, *hf.*
Astronomy

*Prescribed for students who have not offered the subject for admission

MODERN LANGUAGE GROUP

First Year

Latin 1; *or*
German 2 *or* 3
French 1 *or* **2**
Mathematics 1 *or* **2**
English Comp. 1, *hf.*
English Lit. 1, *hf.*
English Bible 1, *hf.*
German 1*
Chemistry 1
Biology 1, *hf.*

Second Year

French 2; *or*
German 2 *or* 3
English Comp. 2, *hf.*
English Lit. 2, *hf.*
History 1
Latin 2
French 2
German 2 *or* 3
Chemistry 1
Geology 1, *hf.*
Biology 1, *hf.*
Biology 2
Mathematics 2

Third Year

German 3 *or* **5**; *or*
French 4
Philosophy 1, 2
Political Science 1, *hf.*
English Bible 2, *hf.*
Education 1, *hf.*
Political Science 3, *hf.*
Political Science 4, *hf.*
Chemistry 2
Biology 2
Biology 4
Physics 2
Geology 1, *hf.*
History 2, 5
English Comp. 3, *hf.*
English Lit. 3, *hf.*
English Lit. 4, *hf.*
English Lit. 7, *hf.*
Astronomy

Fourth Year

French 4; *or*
German 5
Philosophy 5, *hf.*
English Comp. 4, *hf.*
English Lit. 3, *hf.*
English Lit. 4, *hf.*
English Lit. 7
English Lit. 8
Philosophy 3, 4
Philosophy 6, *hf.*
Philosophy 7, *hf.*
Philosophy 8, *hf.*
Education 2, *hf.*
Education 3, *hf.*
History 2, 5
History 4
Political Science 3, *hf.*
Political Science 4, *hf.*
Astronomy

*Prescribed for students who have not offered the subject for admission.

HOURS OF COLLEGE COURSES

1913-14

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
8.00	French 1 Philosophy 5 History 2, 5	French 1 Pol. Sci. 6, 7	Philosophy 5 History 2, 5 Biology 1	French 1 Pol. Sci. 6, 7	French 1 Philosophy 5 History 2, 5
8.50	Chapel Service Daily				
9.05	Eng. Lit. 2 Philosophy 2, 1 History 4 Mathematics 1 Biology 4	Latin 4 German 1 Physics 2 Biology 2	Eng. Comp. 2 Philosophy 2, 1 History 4 Mathematics 1 Biology 4	Latin 4 German 1 Physics 2 Biology 2	Eng. Lit. 2 German 1 Philosophy 2, 1 History 4 Mathematics 1
10.00	Latin 1 Economics 1 Sociology 4 Mathematics 2	Greek 1 Eng. Lit. 3, 4 German 2 Mathematics 4 Bacteriology	Latin 1 Economics 1 Sociology 4 Mathematics 2	Greek 1 Eng. Lit. 3, 4 German 2 Mathematics 4 Bacteriology	Latin 1 Economics 1 Sociology 4 Mathematics 2
11.00	Eng. Lit. 1 Education 1, 2 History 1 Mathematics 5	Latin 2 German 3 Bacteriology	Eng. Comp. 1 French 5 Education 1, 2 History 1 Mathematics 5	Latin 2 German 3 Bacteriology	Eng. Lit. 1 French 5 Education 1, 2 History 1 Mathematics 5
12.00	Latin 2 Greek 1 German 2 Mathematics 4 Physics 3	Greek 2 French 3	Greek 3 Greek 7 French 3 Physics 3,	Greek 2 French 3	Greek 3 Eng. Lit. 3, 4 German 3 Physics 3
2.00	Biology 3, 4	Greek 7 Physics 2 Biology 2	Eng. Bible 2 Chemistry 1, 2	Greek 7 Physics 2 Biology 2	Eng. Bible 2 Chemistry 1, 2
3.00	Biology 3, 4	Eng. Bible 1 Physics 2 Biology 2	Greek 2 Chemistry 1, 2	Eng. Bible 1 Physics 2 Biology 2	Chemistry 1, 2

BUILDINGS AND EQUIPMENT

BUILDINGS

Bomberger Memorial Hall, named for the first President of the College, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. In this building are the chapel and auditorium, ten commodious and well-lighted recitation rooms, three laboratories, the library, reading room, society halls, and administration offices. It is heated by steam and lighted with acetylene gas. The College is indebted for the building to the generosity of the late Mr. Robert Patterson, of Philadelphia, whose donations to the building fund amounted to $32,000, and to gifts from numerous other friends.

Freeland Hall, East Hall and North Hall constitute a group of dormitory buildings for men, occupying a position in contiguous arrangement in the centre of the campus. These are old-fashioned stone buildings, four stories in height. On the ground floors are the College dining rooms and the book room and post office. Parts of the second floor are used as recitation rooms. The other portions of these buildings are fitted for residential purposes. All of the rooms are heated by steam.

Olevian Hall, a spacious dwelling on the west campus, is one of the homes for young women. This building has all the appointments of a complete home. The rooms are large, lighted by electricity and heated by steam.

Shreiner Hall, occupying a prominent position fronting on Main Street and facing the College Campus, has recently been enlarged, improved and furnished as a residence hall for young women. This is a three-story brick building, comfortably and

conveniently arranged for the accommodation of twenty-five students. On the first floor are a reception room, music rooms and office of the principal. The rooms for students vary in size, but are uniformly well lighted and comfortable. The building is heated throughout by steam and provided with electric light.

Sprankle Hall, a stone mansion on the east campus fronting on Fifth Avenue, is a large residence, three stories in height, with porches and veranda, and contains all of the conveniences of a comfortable home.

The Thompson Athletic Cage, erected in 1912 as a memorial to Robert W. Thompson, occupies a site on high ground adjacent to the athletic field. This is a spacious and substantial building providing facilities for all forms of indoor athletics and affording opportunities for recreation during the winter months.

The Field House, convenient to the cage and the athletic field, is one story in height, built of native stone, with jagged edges and heavy joints, the whole presenting a rustic effect. The house contains dressing rooms, shower baths, toilets, a heating plant, supply room, and office for the Athletic Director.

The College gives liberal encouragement to outdoor exercise. Cordial support is given to the various forms of athletics and all of the students are urged to participate in athletic games. The athletic field of the College affords superior grounds for the use of the football and the baseball teams, and on the campus grounds have been set apart and graded for tennis.

A central heat and water plant furnishes steam heat for the principal buildings, and distributes excellent water from an artesian well 246 feet deep, to all the buildings on the premises.

A substantial stone barn, somewhat removed from the college buildings and grounds, and convenient to the fields and gardens, is the centre of the agricultural, vegetable and dairy industries of the institution.

LABORATORIES

The Biological Laboratory is on the first floor of Bomberger Memorial Hall, and has a north and west exposure. The room is 30 x 40 feet in size, is well lighted and thoroughly fitted with tables, desks, cabinets, lockers, aquaria, etc. The laboratory equipment consists of twenty-seven compound microscopes with powers ranging up to 1000 diameters, dissecting microscopes, microtomes, projective lantern, stereopticon, camera lucida, water baths, incubator, and other such apparatus, glassware and reagents as are needed in the study of general morphology, histology and cytology of plants and animals. Special apparatus for experimental work in physiology has been added.

Each student is provided free of extra charge with all the instruments, glassware and reagents needed; but he is held responsible for the care of these. The laboratory will accommodate twenty students at one sitting.

A considerable collection of zoological and botanical material, including the private collection of the late Professor P. Calvin Mensch, bequeathed to the College, is used for museum and illustration purposes. A recently formed and rapidly growing herbarium offers a fair illustration of the flora of North America.

A small department library, containing some of the best zoological, botanical and physiological works in English, French and German, besides many pamphlets, reprints and government reports, is open to the use of students in Biology.

The Physical Laboratory is situated in the second story of Memorial Hall. Modern improvements have recently been introduced and large additions made to the equipment, so that excellent facilities are provided for experimental work in every branch of Physics. The apparatus is of modern design, and has been selected with great care from the best European and American makers. The list includes a small dynamo, Ruhmkorff coil, galvanometers with telescope and scale, dynometer, apparatus for demonstrating wireless telegraphy, spectrometer (Geneva Society), spectroscope (Geneva Society), polariscope,

four-inch refracting telescope, a 4 x 5 camera fitted with a superior planatograph lens, and a lathe for wood and metal turning, with screw-turning attachment.

The dark room, for photographic work, 10 x 12 feet in size, is provided with running water, sinks and all necessary apparatus for making negatives and lantern slides.

The Chemical Laboratory occupies a room 30 x 40 feet in size, well lighted, well ventilated and equipped with all the necessary apparatus for experimental work in general, analytical and organic Chemistry. Tables have been fitted up for the accommodation of twenty-five students, and each table is provided with such appliances as are necessary for gas generation and measurement, distillation, and the performance of experiments belonging to these courses. Students are held responsible for all breakages.

Tables have also been equipped for the performance of experiments in Physiological Chemistry in connection with the course given in Physiology.

THE COLLEGE LIBRARY

The College Library contains about fourteen thousand volumes, selected mainly for the purpose of study, reference and thoughtful reading. The Library is open every week-day from 8.15 a. m. to 5 p. m., Sunday 2 to 4 p. m., and on appointed evenings during the week. Members of the college are allowed free access, under a few necessary limitations, to all the bookshelves. Each student is permitted to take out two volumes at a time. In addition to these privileges, special arrangements have been made which enable students to obtain books from Philadelphia libraries.

The reading room is supplied with foreign and American periodicals. The shelves contain encyclopedias, dictionaries, and other books for particular and general reference. The following newspapers and periodicals appear on the files and tables during the course of the year:

NEWSPAPERS.—The Public Ledger, The Press, The Philadelphia Record, the North American, The Philadelphia Inquirer, The Evening Telegraph, The Reading Eagle, The Allentown Morning Call, American Economist, Reformed Church Messenger, Reformed Church Record, Christian World, The Christian Intelligencer, The Presbyterian, Kirchenzeitung, Christian Work and Evangelist, and the local papers.

PERIODICALS.—The Atlantic Monthly, Scribner's Magazine, The Century Magazine, Harper's Magazine, McClure's Magazine, The American Magazine, The World's Work, The Contemporary Review, The Fortnightly Review, The Nineteenth Century and After, The North American Review, The Outlook, The Independent, The Nation, The Review of Reviews, The Survey, The Missionary Review, The Outlook of Missions, The Reformed Church Review, Modern Language Notes, German American Annals, Reclam's Universum, The Scientific American, The American Naturalist, The Botanical Gazette, Popular Science Monthly, Science, Political Science Quarterly, The American Political Science Review, Philosophical Review, Mind, The Psychological Review, The Psychological Bulletin, The Classical Review, The American Historical Review, The Economic Bulletin, Educational Review, and a number of other periodicals.

BOOK ROOM

The College maintains a book room in which a supply of text-books, stationery, etc., is kept on hand to meet the needs of students. It is aimed to furnish books at less than the usual retail price. Second-hand books may be purchased at low cost. The books used in connection with the various courses of study may be noted, so far as they are announced, in the statement of courses of instruction, on page 27-42.

SOCIETIES

For the mutual improvement of the students two Literary Societies are maintained in the College, the Zwinglian and the

Schaff. Each has a special hall for its meetings. Every student in the College is expected to become a member of one or the other of these societies.

The young men and the young women also maintain flourishing Christian Associations, which hold weekly prayer-meetings, engage in special Bible study, and are active agents in promoting the religious life of the College.

EXPENSES

COLLEGE FEES

The College expenses of a student, including tuition, library, laboratory, gymnasium, and all other fees, are $110 a year.

A charge of ten dollars is made in the bill of the last year to cover expenses of graduation.

A deposit of five dollars is required of each student to defray any expenses incurred by injury to property. The unexpended balance is returned to the student when he leaves the institution.

A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays the College fee in full during his absence, and payment is required before the student can be admitted to examination. No remittance is allowed on account of withdrawal from the institution during a term.

ROOM AND BOARD

The charge for a furnished room in the College dormitories is $80 a year; in Olevian Hall and Shreiner Hall, the residences for women, from $56 to $126 a year. The charge, in all cases, includes heat, light and attendance. When two students occupy a room the charge is divided between them. A payment of five dollars on account is made by a student when he engages a room, which he forfeits in case he does not occupy the same.

Each student supplies his own towels, two pairs of sheets for a single bed, a pair of pillow cases (19 x 34), a pair of blankets and a bed spread.

The charge for table board is $140 a year, not including the Christmas and Easter recesses. For less than one term the charge is $4.25 a week in advance. All students who do not take their meals in their own homes will board at the College Dining Hall. Each student has the option of providing for his use six table napkins or of paying a fee of one dollar, in which case they will be furnished by the College.

PAYMENT OF BILLS

The bills of a student based on the foregoing charges will be payable as follows:

At the opening of the term in September	$77.50
On or before December 1	72.50
On or before February 1	72.50
On or before April 1	72.50

The bills may vary from the stated amounts in certain instances according to location of rooms. Credits on account of scholarships or college aid will be allowed on the December and April bills.

Special fees and Literary Society dues of students must be paid, or their payment secured, before the Saturday preceding the Commencement on which they expect to receive their degrees.

FEES FOR INSTRUCTION IN MUSIC

Private lessons per term of fifteen weeks: piano, twice a week, $22.50, once a week, $11.25; voice, twice a week, $30, once a week, $15. The charge for use of piano is $10 a year.

PERMANENT SCHOLARSHIPS

The College possesses twenty-two permanent scholarships of one thousand dollars each, yielding free tuition. Each scholarship is assigned annually to a student designated by the founder of the scholarship or by the College. The list of these scholarships is as follows:

The George Wolff Scholarship, founded by the Rev. George Wolff, D.D., of Myerstown, Pa.

The William A. Helffrich Scholarship, founded by the Rev. W. A. Helffrich, D.D., of Fogelsville, Pa.

The Nathan Spangler Scholarship, founded by Mr. Nathan Spangler of York, Pa.

The Anna M. Bomberger Scholarship, founded by Miss Anna M. Bomberger, with gifts amounting to $600, and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa.

The Abraham Wagner Scholarship, founded under the will of Mr. Abraham Wagner of the Robison Church, Berks County, Pa.

The Carson Scholarship, founded under the will of Captain John Carson of Newburg, Cumberland County, Pa.

The Kelker Scholarship, founded by Mr. Rudolph F. Kelker of Harrisburg, Pa.

The Keeley Scholarship, founded by Mr. Joseph Keeley of Spring City, Pa.

The John B. Fetters Memorial Scholarship, founded by Mrs. Rebecca B. Fetters of Uwchland, Chester County, Pa., in memory of her deceased son, who died after a week's attendance at College in September, 1885.

The John Brownback Memorial Scholarship, founded by Mrs. Melinda M. Acker and Miss Mary M. Brownback of Uwchland, Chester County, Pa., in memory of their deceased father.

The Franklin W. Kremer Memorial Scholarship, founded by the Rev. F. W. Kremer, D.D., with gifts amounting to $500, and completed by the Sunday-school of the First Reformed Church, of Lebanon, Pa., in grateful memory of his thirty-eight years' pastorate, by an endowment of $500.

The Henry Francis Scholarship, founded by Mr. Henry Francis of Spring City, Pa.

The Clementina R. Stewart Scholarship, founded under the will of Miss Clementina R. Stewart of Myerstown, Pa.

The J. William Bireley Scholarship, founded by Mr. J. William Bireley of Frederick City, Md.

The John B. and Horace A. Fetters Scholarship, founded under the will of Miss Mary M. Brownback of Uwchland, Chester County, Pa.

The Mary M. Brownback Scholarship, founded under the will of Miss Mary M. Brownback of Uwchland, Chester County, Pa.

Two Frances Kready Scholarships, founded by Miss Frances Kready of Lancaster, Pa.

The John H. Converse Scholarship, founded by Mr. John H. Converse of Philadelphia.

The Freeland G. Hobson Scholarship, founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville.

The Stauffer Memorial Scholarship, founded in memory of Robert Ursinus and John Donald Stauffer, deceased children of the pastor, Rev. J. J. Stauffer, by gifts amounting to $500 from the pastor and members of the Lykens Valley charge, and completed by a bequest of $500 under the will of Mrs. Elizabeth Ritzman of Gratz, Pa.

The Francis Magee Scholarship, founded by the late Francis Magee of Philadelphia.

HONORS AND PRIZES

COMMENCEMENT PARTS

Commencement parts, assigned as honors to the members of the graduating class in the order of rank in scholarship, are valedictory and salutatory orations. At the discretion of the Faculty an additional oration may be assigned as a third commencement part.

GRADUATION WITH DISTINCTION

Members of the graduating class, who have shown great proficiency in their entire course, may be graduated with distinction if, in the opinion of the Faculty, their attainments warrant such honors. These distinctions are: *summa cum laude, magna cum laude,* and *cum laude;* and are given only for unusual excellence in all the subjects pursued by the candidate.

DEPARTMENT HONORS

Students may be graduated with special honors in departments of study in which they have shown exceptional proficiency, and in which they have done extra work as prescribed in the following rules:

1. A candidate for department honors must have the endorsement of the professor in charge of the department in which he expects to try for such honors, and must enroll as a candidate at the Dean's office not later than one month after the opening of the college year in which he expects to receive his degree.

2. A student shall be required to maintain a grade not lower than C in any course for which he is registered and must maintain an average of B while he is pursuing his work as a candidate for department honors.

3. A candidate shall be required to do an amount of work equivalent to one-half course in the department in which he intends to try for honors, in addition to the full number of courses prescribed for graduation; and shall submit to the Faculty a thesis on some subject within the field represented by his extra work. The thesis must be presented at least one week before the time set for the Fourth year final examinations.

JUNIOR ORATORICAL PRIZES

Frank H. Hobson, A. B., of the Class of '03, offers a prize in honor of his father, the late F. G. Hobson, LL. D., of the Class of '76, consisting of a gold medal, for the best oration delivered at the Junior Oratorical Contest on Monday evening of Commencement Week. A second medal, offered by the Rev. J. W. Meminger, D. D., of the Class of '84, is awarded to the oration ranking second in this contest. The third oration receives honorable mention.

SCHOLARSHIP PRIZES

Twenty scholarships are offered annually under special conditions, by the authority of the Directors of the College, as prizes in approved secondary schools. These scholarships entitle the holders to free tuition in Ursinus College.

MEDICO-CHIRURGICAL SCHOLARSHIP

In order to encourage young men to take a college course before beginning the study of Medicine, the Medico-Chirurgical College of Philadelphia offers a free scholarship to one graduate of Ursinus College every three years.

DEGREES

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

The degrees of Bachelor of Arts and Bachelor of Science are conferred by the Directors on all students who have completed the academical exercises appointed for them by the Faculty and, upon final examination, have been approved as candidates for these degrees.

MASTER OF ARTS

The degree of Master of Arts is conferred upon graduates of this College holding the Bachelor of Arts degree, or upon graduates of any other College making equal requirements for the Bachelor's degree, in accordance with the following regulations:

1. The candidate must pursue, under the direction of the College Faculty, prescribed work equivalent to four standard college courses, two of which must represent work in some one department of instruction; must pass satisfactory examinations in the same; and must submit an acceptable thesis on some topic connected with his main field of study. Accepted theses become the property of the College.

2. Candidates who present from other institutions certificates of graduate study equivalent to the foregoing requirements are exempt from all the above requirements except the submission of a thesis.

3. Bachelors of Arts of Ursinus College who were graduated with honors, or who maintained an average grade of B during the last two years of their college course, may pursue their studies not in residence. Other candidates will be required to pursue their studies in residence. Non-resident students will not be permitted to register for more than two courses a year, and will be required to take their examinations at the College. Resident students may complete the required work in one year.

4. All courses to be pursued in fulfillment of the requirements for the Master's degree must be approved by the Faculty before the work may be begun.

5. Students pursuing graduate study must register not later than October 15th of each academic year. Candidates for the Master's degree must have passed all examinations and submitted their theses one month prior to the date of Commencement on which the degree is to be conferred.

6. The fees for graduate students are as follows: Registration, $5.00; Final examination in each course, $5.00; Examination of thesis, $5.00; Graduation, $5.00. An additional fee of $5.00 per course will be charged to students who elect courses not already offered by the College.

THE SUMMER SESSION

The Summer Session of Ursinus College for the year 1913 will open Monday, June 23, at 8 o'clock a. m., and close on Friday, August 1, at 12 o'clock noon.

ADMISSION

No examination is required for admission to the college preparatory courses offered in the Summer Session. The candidate must, however, satisfy the instructor that he is fitted to do the work of a course by submitting written evidence of his preparation in the form of term reports, certificates or official letters from approved schools or instructors.

Members of Ursinus College and of other colleges are admitted to collegiate courses in the Summer Session without examination. Graduates of approved academies, high schools or normal schools are admitted without examination to all courses for which they present certificates of preparation in the form prescribed by the Faculty of Ursinus College for admission to College. Blank forms for these certificates may be had on application to the Dean of the College. Other applicants must take the entrance examinations of the departments in which they wish to work. When credit toward a degree is not desired, persons may register without examination for any course they are prepared to pursue.

INSTRUCTION

The instruction in the Summer Session is given by the professors who are the heads of the departments in the College, by instructors who are regular members of the Faculty and by assistants appointed by the Faculty.

While the organization of the work is favorable to rapid progress, the ruling ideal is thoroughness. Students are required to do the same work, and are graded and ranked according to the same standards as in the regular sessions of the College.

For a complete statement of the courses offered, see the Summer Session catalogue, published separately.

The courses of study are designed to meet the needs of persons who wish to do academic work at a time when most institutions of learning are closed. They are intended especially for persons who wish to prepare for college, for undergraduates and others who wish to pursue college courses, and for teachers who wish to fit themselves for higher grades of teaching.

Section 1704 of the Act of Assembly approved May 18, 1911, contains the following important provision:

> The board of school directors of every school district which shares in the special appropriation for high schools shall employ for its high school, during the entire term, a sufficient number of teachers for the teaching of any of the following branches, namely: bookkeeping, civil government, general history, algebra, geometry, rhetoric, English literature, Latin (including Cæsar, Virgil, and Cicero), physical geography, and the elements of botany, of zoology, of physics, and of chemistry. But no teacher shall be employed to teach any branch other than those enumerated in his certificate.

By taking courses in the Ursinus Summer Session teachers in service may qualify themselves for high school positions in accordance with the foregoing provisions of the law, and at the same time receive credit for their work in the College. Keeping up their connection with the College while teaching by Saturday courses, and returning for subsequent summer sessions, teachers may reach the point where they may enter college with advanced standing, and complete the requirements for the bachelor's degree in less than four years of residence. A higher education is thus made possible for teachers in the public schools who could not otherwise command the privileges of the College.

CREDIT FOR WORK

Students admitted to the college courses in the Summer Session on certificate approved by the Faculty, or on examination, and who maintain a grade of A, B or C in their work will be given credit toward the degree of Bachelor of Arts or Bachelor of Science. Students who have pursued regular

courses in the Summer Session and have passed the final examinations in the same, are granted certificates setting forth the work done and the grade attained.

The certificate of the Ursinus Summer Session may be accepted by school superintendents in Pennsylvania in lieu of examinations from applicants for teachers' certificates.

TUITION AND FEES

Before entering the classes students must register at the Dean's office and pay their fees at the Treasurer's office. The fees are: Matriculation, $5.00; Tuition, for one course, $10.00; for each additional course, $5.00. For each laboratory course a fee of $3.00 is charged for use of apparatus.

No matriculation fee is charged to students in Ursinus College or to students who have paid the fee in a former summer session.

ROOM AND BOARD

Rooms in the College buildings, completely furnished for student residence, have been set apart for the use of summer students. Additional rooms will be secured, if necessary, in private homes near the College. The charge for a room, including light and attendance, is $2.00 per week. A limited number of single rooms may be had for $1.50 per week. When two students occupy a room together, the charge will be divided between them. Each student supplies his own towels, two pairs of sheets for a single bed, a bedspread, table napkins and napkin ring. Bed clothing may be rented from the College for $1.50 for the session of six weeks.

Board may be obtained at private boarding houses for $3.50 per week and upwards.

Central Theological Seminary

of the Reformed Church in the United States

DAYTON, OHIO

THE FACULTY

REV. HENRY J. CHRISTMAN, D.D., *President and Professor of Homiletics and Pastoral Theology.*

REV. DAVID VAN HORNE, D.D., LL.D., *Professor of Systematic Theology, Emeritus.*

REV. ALVIN S. ZERBE, Ph.D., D.D., *Jeremiah H. Good Professor of Systematic Theology.*

REV. JAMES I. GOOD, D.D., LL.D., *Professor of Theological Encyclopedia, Liturgics, and Reformed Church History.*

REV. EDWARD HERBRUCK, Ph.D., D.D., *Herman Rust Professor of Church History.*

REV. PHILIP VOLLMER, Ph.D., D.D., *Professor of New Testament Literature and Theology, and German Homiletics.*

REV. GEORGE STIBITZ, Ph.D., D.D., *Professor of Old Testament Languages, Literature and Theology.*

ARTHUR LOREN GATES, A.M., *Instructor in Vocal Expression.*

The Central Theological Seminary, continuing the Ursinus School of Theology, founded in 1871, and the Heidelberg Theological Seminary, founded in 1850, is located at Dayton, Ohio. The Seminary occupies a beautiful site comprising eight acres in an attractive suburban section of the city.

The Seminary conserves in its teaching the older and better attested views with respect to doctrine, cultus, church government and criticism. Its doctrinal basis is the Heidelberg Catechism, interpreted in its historic sense.

The aims of the Seminary are twofold: First, to furnish young men with a spiritual, intellectual and practical preparation for the discharge of the duties of the Christian ministry; and secondly, to afford to students of talent opportunities for specialization in the various branches of theology.

Central Theological Seminary

ADMISSION

Each applicant for admission must present a certificate of church membership. The Central Theological Seminary is open to students of all denominations of Christians.

The specific requirements for admission to each of the several courses of study prescribed are stated in detail in the catalogue of the Seminary.

EXPENSES AND AID

Tuition is free, but every student is required to pay a contingent fee of $20 per year. Pecuniary aid is given, to a limited extent, to those who are in need and can furnish the proper recommendations. In the dormitory, rooms are provided for regular students of the Theological Seminary, two in a room, without charge. Good board is provided at approximately $2.25 per week.

COURSES OF STUDY

I. The Regular Undergraduate Course. Students who complete this course of study, pass all the required examinations, and submit a satisfactory thesis, receive a diploma and a certificate of graduation, setting forth that they have completed all the courses required by the Constitution of the Reformed Church, or usually required in theological seminaries.

II. The Graduate Course Leading to the Degree of Bachelor of Divinity. This course may be pursued in residence or not in residence. Upon satisfactory completion of the course, students are recommended by the Faculty to the Board of Directors of Ursinus College as candidates for the degree of Bachelor of Divinity, to be conferred at the next ensuing Commencement of the College.

III. Special and Partial Courses. Students not candidates for a diploma, also ministers in service, desiring to pursue special lines of study, and other persons possessing the necessary qualifications, will be received into any of the classes of the Seminary under the designation of "Special Students."

LIST OF STUDENTS

Abbreviations are used to designate residence halls as follows: F. H., Freeland Hall; E. H., East Hall; N. H., North Hall; Sp. H., Sprankle Hall; Sh. H., Shreiner Hall; O. H., Olevian Hall.

STUDENTS IN THE COLLEGE

GRADUATE STUDENTS

ARASMAN MELVILLE BILLMAN....*Beirut, Syria* .....Beirut, Syria.
A. B. Ursinus College, 1912.

HENRY HARMON KOERPER .....*Auburn* .....Auburn.
A. B., Ursinus College, 1907.

GUS E. OSWALD.....*Tamaqua* .....Tamaqua.
A. B. Ursinus College, 1900.

LEWIS DAY ROSE.....*Hooversville, R. D. 2.* Hooversville.
A. B., Ursinus College, 1911.

ROBERT RAYMOND SPEARS.....*Bethlehem* .....Bethlehem.
A. B., Ursinus College, 1910.

DAVID LESLIE STAMY .....*Chicago, Ill.*.....Chicago, Ill.
A. B., Ursinus College, 1908.

ROLAND R. UMSTEAD.....*Trappe, Pa.* .....Trappe.
A. B. Ursinus College, 1909.

CLASSICAL GROUP

GEORGE ALFRED BEAR.....*Catasauqua* .....E. H.
Ursinus Academy.

ELEANOR RUTH BRECK.....*Vineland, N. J.*.....O. H.
Haddonfield High School.

ARY NEVIN BRUBAKER.....*Lebanon, R. D. No. 5*.....E. H.
Millersville State Normal School.

CHARLES FREDERICK DEININGER...*Newark, N. J.*.....E. H.
Newark Evening High School.

BYRON SNYDER FEGLEY.....*Trappe* .....Trappe.
Ursinus Academy.

HENRY EDWIN GEBHARD.....*Red Lion*.....Mrs. Prizer's.
Red Lion High School.

WALTER ROTH GOBRECHT.....*Hanover* .....E. H.
Hanover High School.

ADELA D'ARCY HANSON.....*Woodbury, N. J.*.....O. H.
Woodbury High School.

RALPH JOHN HARRITY.....*Braddock* .....E. H.
North Braddock High School.

BERNHARDT ROBERT HELLER.....*Hazleton* .....E. H.
Hazleton High School.

List of Students

MAURICE ABRAM HESS.....*Mont Alto* .....E. H.
Cumberland Valley State Normal School.
CHARLES HENRY HOLZINGER.....*Fullerton* .....Mont Clare.
Lebanon Valley College.
EDGAR BRUCE JACOBS.....*Abbottstown* .....E. H.
Gettysburg Academy.
JOHN NATHANIEL KANTNER .....*Wilmington, Del.* .....E. H.
West Jersey Academy.
JOHN PAUL KELLER.....*Philadelphia* ..Mrs. Zimmerman's.
Central Manual Training High School.
HAROLD BENNER KERSCHNER.....*Mahanoy City* .....E. H.
Mahanoy City High School.
ESTHER ELLA KLEIN.....*Reading* .....Sh. H.
Schuylkill Seminary.
DAVID LOCKART .....*Royersford* ...Mrs. Zimmerman's.
Royersford High School.
SARAH RHOADS MAYBERRY.....*Pottstown* .....Pottstown.
Pottstown High School.
JOHN ERNEST MERTZ.....*Durham* .....N. H.
Riegelsville Academy.
ROY LINDEN MINICH.....*Blain* .....E. H.
Mercersburg Academy.
EARL BEAN MOYER .....*Trappe* .....Trappe.
Perkiomen Seminary.
HAYDEN B. N. PRITCHARD.....*Bangor* .....E. H.
Bangor High School.
AUGUST ANDREW RINGLEBEN.....*Hazleton* .....Collegeville.
Hazleton High School.
CYRUS M. ROTHERMEL.....*Collegeville* .....N. H.
Keystone State Normal School.
DEWEES FRANKLIN SINGLEY.....*Oneida* .....E. H.
Ursinus Academy.
LARY BAKER SMALL .....*Marion* .....E. H.
Ursinus Academy.
ROBERT THENA .....*Philadelphia* .....N. H.
Temple University.
ALBERT VOGEL .....*Philadelphia* .....E. H.
Ursinus Academy.
ANNA READ WEST.....*Philadelphia* .....Sh. H.
Philadelphia High School for Girls.
JOHN KEAMER WETZEL.....*Beavertown* .....E. H.
Union Seminary.
WALTER JOSIAH YINGST.....*Lebanon* .....E. H.
Lebanon High School.
PAUL WICKE YOH .....*Chambersburg* .....E. H.
Mercersburg Academy.
MERRILL WAGNER YOST.....*Collegeville* .....Collegeville.
Collegeville High School.

Ursinus College

LATIN-MATHEMATICAL GROUP

RICHARD ALLEN ARMS.....*Pottstown* .....Pottstown.
Pottstown High School.
GEORGINE ASHENFELTER .....*Royersford* .....Royersford.
Ursinus Summer Session.
EMMA KATHRYN EBRIGHT.....*Lebanon* .....Sh. H.
Lebanon High School.
PAUL EDGAR ELICKER.....*Bair* .....N. H.
York County Academy.
GEORGE RAYMOND ENSMINGER....*York* .....N. H.
York High School.
WILLIAM LEROY FINK.....*Pottstown* .....Pottstown.
Pottstown High School.
HERBERT C. HOOVER.....*Glen Rock* .....E. H.
York County Academy.
WALTER MCCLELLAN LAUER.....*Thomasville* .....E. H.
York County Academy.
CAROLYN GLADYS ROGERS.....*Jeffersonville* .....Jeffersonville.
Norristown High School.
MYRA BEAVER SABOLD.....*Lansdale* .....O. H.
Lansdale High School.
ADA SCHLICHTER .....*Conshohocken* .....Sh. H.
Conshohocken High School.
CALVIN PRESTON SELLERS.....*Greencastle* .....E. H.
Greencastle High School.
EMILY HARRIET SNYDER.....*Lebanon* .....Sh. H.
Lebanon High School.

MATHEMATICAL-PHYSICAL GROUP

WILLIAM SORBER DIEMER.....*Pottstown* .....Mrs. Boorem's.
Pottstown High School.
ADDISON CASSEL GOTTSHALK.....*Collegeville* .....Collegeville.
Collegeville High School.
HORACE CASSEL GOTTSHALK.....*Collegeville* .....Collegeville.
Collegeville High School.
ALLAN GRATER .....*Collegeville* .....Collegeville.
Collegeville High School.
ERIC BUZBY HALLMAN.....*Norristown* .....Norristown.
Norristown High School.
LESTER GEORGE MYERS.....*Spring Grove* .....E. H.
York County Academy.
*LEON JAMES SOLT.....*Slatington* .....E. H.
Lehigh Township High School.
RALPH STUGART .....*Newberry* .....F. H.
Slippery Rock State Normal School.
EVAN LEE THOMAS.....*Wilkes-Barre* .....F. H.
Wilkes Barre High School.

*Died, February 4, 1913

CHEMICAL-BIOLOGICAL GROUP

STUART GRANVILLE ABEL.....*Hellertown* .....N. H.
Hellertown High School.
JACOB ELMER BAHNER .....*Herndon* .....N. H.
Union Seminary.
JOHN HAROLD BELTZ.....*Schwenksville* .....Schwenksville.
Schwenksville High School.
WILLIAM BUTLER .....*Naugatuck, Conn.* .....N. H.
Naugatuck High School.
VERNON FEGLEY CHRISTMAN.....*Pottstown* .....E. H.
Pottstown High School.
LEROY FRITSCH DERR.....*Tamaqua* .....E. H.
Tamaqua High School.
HENRY STANLEY FEGLEY....*Lower Providence* Lower Providence.
Ursinus Academy.
FRANK MOULTON GLENDENNING..*Pitcairn* .....F. H.
Slippery Rock State Normal School.
THOMAS FRANCIS GORMLEY.....*Naugatuck, Conn.* .....N. H.
Villanova Preparatory School.
FRANK LESLIE HART.....*Pottstown* .....F. H.
Spring City High School.
GOVIND SAKHARAM HIWALE.....*Bombay, India*.....Collegeville.
American School, Byculla, Bombay, India.
RUSSEL CONWELL JOHNSON.....*Parkerford* .....F. H.
Spring City High School.
RONALD CHESTER KICHLINE.....*Bangor* .....N. H.
Bangor High School.
CHARLES CARRELL KRUSEN.....*Norristown* .....Norristown.
Norristown High School.
BRUCE FLOYD LAMONT.....*Hazleton* .....F. H.
Pennsylvania State College.
HERMAN WISCHMANN MATHIEU.*Trappe* .....Trappe.
Ursinus Academy.
BENNETT KIRBY MATLACK.....*Bridgeton, N. J.* ....Mrs. Bean's.
South Jersey Institute.
WARREN JOHN PETERS.....*Slatington* .....E. H.
Allentown Preparatory School.
GEORGE ALBERT RAMBO.....*Norristown* .....N. H.
Norristown High School.
JOHN ORNER RIEGEL.....*Easton, R. F. D. No. 6*.....N. H.
Ursinus Academy.
ROBERT RIEGEL .....*Philadelphia* .....F. H.
Medico-Chirurgical College.
RAYMOND WILLIAM WALL.....*Wissahickon* .....N. H.
N. E. Manual Training High School.
SIDNEY LANIER WELLER.....*Wrightsville* .....N. H.
Millersville State Normal School.
FREDERICK FRANCIS WIEDORN.....*Waterbury, Conn.* .....N. H.
Mackenzie School.

Ursinus College

HISTORICAL-POLITICAL GROUP

JOHN ARTHUR ADAMS.....*Slippery Rock* .....F. H.
Slippery Rock State Normal School.
HENRY KULP ANCONA.....*Pottstown* .....F. H.
Pottstown High School.
HARRY BARTMAN .....*Collegeville* .....Collegeville.
Collegeville High School.
CARL CUSTER BECHTEL.....*Collegeville* .....Collegeville.
Collegeville High School.
ROBERT SIMON BORDNER.....*Collegeville* .....Collegeville.
Collegeville High School.
IVAN NORMAN BOYER.....*Yatesboro, R. D. No. 1*.....E. H.
Slippery Rock State Normal School.
EDWIN DAGOBERT BRANSOME.....*Philadelphia* .....F. H.
Ursinus Academy.
LLOYD STANLEY CASSEL.....*Telford* .....F. H.
Lansdale High School.
WILLIAM ALFRED COLEMAN.....*North Wales* .....North Wales.
Keystone State Normal School.
WILLIAM PATRICK CONDON.....*Naugatuck, Conn.* .....N. H.
Waterbury High School.
JOSEPH HENRY CORRIGAN.....*Spring City* .....F. H.
Spring City High School.
WALLACE LYSINGER DANEHOWER..*Yerkes* .....Yerkes.
West Chester State Normal School.
LEVI YERGEY DAVIDHEISER..... *Collegeville* .....Collegeville.
Ursinus Summer Session.
CARL AUGUSTUS ERIKSON.....*St. Benedict* .....F. H.
Bloomsburg State Normal School.
CHARLES ADAM FISHER.....*Hamburg, R. D. No. 3* ....F. H.
Ursinus Academy.
GEORGE HENRY GAY.....*Blackinton, Mass.* .....F. H.
Ursinus Academy.
WILLIAM A. GENSLER.....*Blooming Glen* ...Blooming Glen.
West Chester State Normal School.
HERMAN FRANKLIN GINGRICH....*Lebanon* .....F. H.
Lebanon High School.
HUBERT SANFORD GLEASON.....*Gravity* .....F. H.
Bloomsburg State Normal School.
FRANK LORIN GODSHALL.....*Collegeville* .....Collegeville.
Collegeville High School.
RALPH GRABER .....*Limerick Square*.Limerick Square.
Perkiomen Seminary.
MORRIS EDGAR GREGG.....*Philadelphia*..Mrs. Zimmerman's.
Southern High School.
JACOB FREED HARTRANFT.....*Lederach* .....F. H.
Schwenksville High School.
SAMUEL H. HESS.....*Royersford, R. D. 2*..Royersford.
Eliazbethtown College.

List of Students

Irwin W. Kehs.....*Green Lane* .....Green Lane.
Perkiomen Seminary.
Benjamin Harrison Kell.....*Saville* .....F. H.
Conway Hall.
James Buyers Kennedy.....*Wissahickon* .....N. H.
N. E. Manual Training High School.
Thomas Elwood Kichline.....*Bangor* .....F. H.
Bangor High School.
Boyd Harvey LaMont.....*Hazleton* .....F. H.
Hazleton High School.
Daniel Sterling Light.....*Lebanon* .....F. H.
Lebanon High School.
Walter F. Longacre.....*New York City*..New York City.
Ursinus Academy.
Percy Wischmann Mathieu....*Trappe* .....Trappe.
Ursinus Academy.
Norman Egbert McClure.....*Norristown* .....Norristown.
Norristown High School.
Charles Fahrney McKee.....*Oaks* .....Oaks.
Juniata College.
Robert Gross Miller.....*Brooklyn, N. Y.*.....Mr. Gross's.
De Witt Clinton High School.
Ralph Mitterling .....*Freeburg* .....F. H.
Bloomsburg State Normal School.
Rowland Hall Mulford.....*Fairton, N. J.*.....Mrs. Faringer's.
Bridgeton High School.
Anthony Albert Norkewicz....*Shenandoah* .....Sp. H.
Shenandoah High School.
Elwood Strassburger Paisley...*Philadelphia* .....F. H.
Central High School.
Charles Otto Reinhold.....*Lansdale* .....F. H.
Lansdale High School.
J. Stanley Richard.....*Zieglersville* .....F. H.
Schwenksville High School.
C. Deckard Ritter.....*Philadelphia* .....N. H.
University of Pennsylvania.
Chester Robbins .....*Bridgeton, N. J.*.....Philadelphia.
West Jersey Academy.
Edgar Thomas Robinson.....*Bridgeton* .....Mrs. Faringer's.
West Jersey Academy.
Ulrich David Rumbaugh.....*Millerstown* .....Mrs. Prizer's.
Conway Hall.
Leslie Franklin Rutledge.....*York* .....F. H.
York High School.
Clarence William Scheuren...*Collegeville* .....Collegeville.
Collegeville High School.
Ray Seaman .....*Kreamer* .....F. H.
Ursinus Academy.
Leighton Kremer Smith.....*Spring City* .....F. H.
Spring City High School.

HIRAM GRANT STRAUB.....*Minersville* .....F. H
Franklin and Marshall College.
GEORGE B. SWINEHART.....*Pottstown* .....Pottstown.
Pottstown High School.
WILLIAM E. TROUTMAN.....*Red Hill* .....Red Hill.
Keystone State Normal School.
FREDERICK HOUSTON WORRELL....*Swarthmore* .....F. H.
Swarthmore College.
WILLIAM ALLISON YEAGER.....*Spring City*.....Mrs. Faringer's.
Ursinus Academy.
EARL RAYMOND YEATTS.....*York* .....E. H.
York High School.
WARREN K. YERGER.....*Wilmington, Del.* ...Wilmington.
West Chester State Normal School.
HARVEY ROSEN VANDERSLICE.....*Boyertown* .....Boyertown.
West Chester State Normal School.

ENGLISH-HISTORICAL GROUP

FRANKLIN RAY BEMISDERFER.....*Greencastle* .....F. H.
Shippensburg State Normal School.
HENRY KEENER EBY.....*Manheim, R. D. No. 4.*Mr. Yost's.
Elizabethtown College.
HELEN MARIE FERREE.....*Parkesburg* .....O. H.
West Chester State Normal School.
ADA MARGUERITE FISHER.....*Lebanon* .....Sh. H.
Lebanon High School.
ELLEN FRANCES HALLMAN.....*Pottstown* .....O. H.
Pottstown High School.
FLORENCE WELTNER HIBBS.....*Brownsville* .....Sh. H.
Washington Seminary.
EVA CATHERINE KNEEDLER.....*Norristown* .....Sh. H.
Lansdale High School.
GRACE NACE KRAMER.....*Ironbridge* .....Ironbridge.
Ursinus Academy.
ELIZABETH MAE KOHLER.....*Eureka* .....Sh. H.
Doylestown High School.
VERDA ZIEGLER MILLER.....*Royersford* .....Norristown
Royersford High School.
JACOB EMORY MYERS.....*Loganville* .....Mr. Yost's.
Elizabethtown College.
MILDRED ELIZABETH PAUL.....*Paulsboro, N. J.* .....O. H.
Paulsboro High School.
MAY WANNER PEARSON.....*Royersford* .....Royersford.
Royersford High School.
MARY HANNAH SEIZ.....*Mont Clare* .....O. H.
Phoenixville High School.
CORA HELSEL SIGAFOOS.....*Colmar* .....O. H.
Lansdale High School.

GERTRUDE DEWITT TALMAGE.....*Philadelphia* .....Sh. H.
Friends' Select School.
SUSAN MARGUERITE TALMAGE.....*Philadelphia* .....Sh. H.
Friends' Select School.

MODERN LANGUAGE GROUP

MIRIAM RUTH BARNET.....*Reading* .....O. H.
Reading High School.
MARY BECHTEL BARTMAN.....*Collegeville* .....Collegeville.
Collegeville High School.
GLADYS MARIAN BOOREM.....*Collegeville* .....Collegeville.
Phœnixville High School.
MARGARET ROBERTS CARE.....*Norristown* .....Norristown.
Norristown High School.
FLORENCE MAY DETWILER.....*Trappe* .....Trappe.
Collegeville High School.
REBEKAH MARY ELLIS.....*Phoenixville* .....O. H.
Wilson College.
STELLA MARY HAIN .....*Lebanon* .....Sh. H.
Lebanon High School.
SADIE H. HUNSICKER.....*Ironbridge* .....Ironbridge.
Collegeville High School.
MABEL DAVIS HYDE.....*Conshohocken* .....Sh. H.
Conshohocken High School.
ANNA GRACE KEMMERER.....*Lehighton* .....O. H.
Keystone State Normal School.
MARIAN SCHAEFFER KERN.....*Slatington* .....O. H.
Keystone State Normal School.
HELEN BERGEY KEYSER.....*Collegeville* .....Collegeville.
Collegeville High School.
ALICE MAY LINDERMAN.....*Limerick* .....Limerick.
Ursinus Summer Session.
MARTHA LINDERMAN .....*Limerick* .....Limerick.
Perkiomen Seminary.
ELSA ANTOINETTE MCCAUSLAN...*Philadelphia* .....O. H.
Girls' High School.
VIOLA CLARKE MOSER.....*Pottstown, R. D. No. 4*....Sh. H.
Conshohocken High School.
LAURA ETHEL NYCE.....*Schwenksville* ....Schwenksville.
Schwenksville High School.
ESTHER MARY PETERS .....*Slatington* .....O. H.
Slatington High School.
MARGUERITE ROSENBERGER RAHN..*Burlington, N. J.* .....Sh. H.
Ambler High School.
FLORENCE MAY SCHEUREN.....*Collegeville* .....Collegeville.
Collegeville High School.
ANNIE SCHLICHTER .....*Conshohocken* .....Sh. H.
Conshohocken High School.
RUTH ANNA SPANG.....*Eagleville* .....Eagleville.
Norristown High School.

RUTH ELIZABETH STROUD .....*Collegeville* .....Collegeville.
Collegeville High School.
EDNA MARIE WAGNER .....*West Chester* .....O. H.
West Chester State Normal School.
EMILY ELIZABETH WIEST.....*York* .....O. H.
York High School.

STUDENTS IN THE SUMMER SESSION

WILLIAM ALFRED COLEMAN.....*Elmer, N. J.*.....Sp. H.
Latin, Chemistry.
JOSEPH HENRY CORRIGAN.....*Spring City* .....Sp. H.
German, Latin.
WALLACE LYSINGER DANEHOWER..*Yerkes* .....Yerkes.
English, Latin.
LEVI YERGEY DAVIDHEISER.....*Collegeville* .....Collegeville.
French, History.
HENRY KEENER EBY.....*Manheim* .....Sp. H.
Latin, English.
REBEKAH MARY ELLIS.....*Phoenixville* .....Phoenixville.
Mathematics, Latin.
GWENDOLYN S. FARLOW.....*Lancaster* .....O. H.
Latin, History.
HELEN MARIE FERREE.....*Parkesburg* .....O. H.
Latin, German.
WILLIAM A. GENSLER.....*Fogelsville* .....Mr. Bordner's.
Latin, German, Economics.
HUBERT SANFORD GLEASON.....*Gravity* .....F. H.
German, English.
WALTER ASBURY HEARN.....*Edelman* .....Sp. H.
German, Franch.
ANNA MABEL HOBSON.....*Collegeville* .....Collegeville.
German.
ESTHER ELLA KLEIN.....*Reading* .....O. H.
French, History.
MARGUERITE L. KNEULE.....*Norristown* .....Norristown.
German, Latin.
LABAN W. LEITER.....*Smithburg, Md.* .....Sp. H.
German, English.
FRED RAHN LENTZ.....*Bangor* .....Schwenksville.
Latin, Mathematics.
ALICE M. LINDERMAN.....*Limerick* .....Limerick.
Latin.
S. WALTER LOUCKS.....*Limerick* .....Limerick.
Mathematics, English, German.
M. RUTH MACNAY.....*Harrisburg* .....O. H.
Latin.
CHARLES E. MILLER.....*Millersville* .....Sp. H.
Latin.

EARL BEAN MOYER.....*Trappe* .....Trappe.
Latin, English, Physics.
JACOB E. MYERS.....*Loganville* .....Sp. H.
History, English.
ELWOOD STRASSBURGER PAISLEY...*Philadelphia* .....Philadelphia.
Mathematics.
THOMAS H. PLANK.....*Pottstown* .....Pottstown.
Latin, History.
HAYDEN B. PRITCHARD.....*Bangor* .....Sp. H.
Latin, Mathematics.
CHESTER ROBBINS .....*Bridgeton, N. J.*.....Sp. H.
History.
CYRUS M. ROTHERMEL.....*Trappe* .....N. H.
Latin, Greek.
ZENO RUPERT ROYER.....*Akron* .....Mrs. Zimmerman's.
Mathematics, Calculus.
WILMER A. SCHOENBERGER.....*Packerton* .....Sp. H.
Latin, German, English.
ISAAC F. SEIVERLING.....*Akron* .....Mrs. Zimmerman's.
History, Economics, English.
LEON JAMES SOLT.....*Slatington* .....Sp. H.
Latin, German.
HIRAM GRANT STRAUB.....*Minersville* .....N. H.
Economics, Chemistry.
MARY LEW STRITZINGER.....*Norristown* .....Norristown.
German.
GEORGE B. SWINEHART.....*Pottstown* .....Pottstown.
German, Psychology.
WARREN K. YERGER.....*Wilmington, Del.* .....Graterford
Latin.
MARION WANGER .....*Norristown* .....Norristown.
Mathematics, History, Psychology.

STUDENTS IN MUSIC

HENRY KULP ANCONA.....*Pottstown* .....F. H.
CARL CUSTER BECHTEL.....*Collegeville* .....Collegeville.
GLADYS MARIAN BOOREM.....*Collegeville* .....Collegeville.
FLORENCE MAY DETWILER.....*Trappe* .....Trappe.
DOROTHEA DRESSER .....*Collegeville* .....Collegeville.
REBEKAH MARY ELLIS.....*Phoenixville* .....O. H.
ADA MARGUERITE FISHER.....*Lebanon* .....Sh. H.
GRATIA COBB FURMAN .....*Norristown, R. D. 1*..Norristown.
STELLA MARY HAIN .....*Lebanon* .....Sh. H.
ESTHER ELLA KLEIN.....*Reading* .....Sh. H.
EVA CATHERINE KNEEDLER.....*Lansdale* .....Sh. H.

ESTHER MARY PETERS .....*Slatington* .....O. H.
HAYDEN B. N. PRITCHARD.....*Bangor* .....E. H.
MARGUERITE ROSENBERGER RAHN..*Burlington, N. J*.....Sh. H.
EDGAR THOMAS ROBINSON.....*Bridgeton, N. J*...Mrs. Faringer's.
LARY BAKER SMALL.....*Marion* .....E. H.
EMILY HARRIET SNYDER .....*Lebanon* .....Sh. H.
SUSAN MARGUERITE TALMAGE....*Philadelphia* .....Sh. H.
EDNA MARIE WAGNER.....*West Chester* .....O. H.
JOHN KEAMER WETZEL.....*Beavertown* .....E. H.
WILLIAM ALLISON YEAGER....*Spring City, R. D. No. 3*.Mrs. Daub's.

GENERAL SUMMARY, 1912-1913

STUDENTS IN THE COLLEGE		
Graduate Students	7	
Classical Group	34	
Latin-Mathematical Group	13	
Mathematical-Physical Group	9	
Chemical-Biological Group	24	
Historical-Political Group	57	
English-Historical Group	17	
Modern Language Group	25	186
STUDENTS IN THE SUMMER SESSION	36	
STUDENTS IN MUSIC	21	243
Deduct for names repeated		40
Total		203

DIRECTORY OF STUDENTS

In all Departments of the College

The italic letters set opposite the name indicate the group or department to which the student belongs: *Cl.*, Classical group; *L-M.*, Latin-Mathematical group; *M-P.*, Mathematical-Physical group; *C-B.*, Chemical-Biological group; *H-P.*, Historical-Political group; *E-H.*, English-Historical group; *ML.*, Modern Language group; *Gr.*, Graduate student; *S. S.*, Summer Session; *Mu.*, Music department.

The numbers 1, 2, 3 and 4 preceding these letters indicate the First, Second, Third and Fourth years respectively in College. Ca. means Candidate for Matriculation; Sat., means enrolled in Saturday courses; Sp., means Special Student.

The final letter A. indicates that the student is a candidate for the degree of Bachelor of Arts; the final letter S. indicates that the student is a candidate for the degree of Bachelor of Science.

Abel, S. G., Sp., *C-B.*
Adams, J. A., 1 *H-P*.....A
Ancona, H. K., 2 *H-P., Mu*.....A
Arms, R. A., 4 *L-M*.....A
Ashenfelter, G., 4 *L-M*.....A
Bahner, J. E., 1 *C-B*.....A
Barnet, M. R., 3 *ML*.....A
Bartman, H., 1 *H-P*.....A
Bartman, M. B., 4 *ML*.....A
Bear, G. A., 4 *Cl*.....A
Bechtel, C. C., 3 *H-P., Mu*.....A
Beltz, J. F., 2 *C-B*.....A
Bemisderfer, F. R., Ca., *E-H*.....S
Billman, A. M., *Gr.*
Boorem, G. M., 2 *ML., Mu*.....A
Bordner, R. S., 3 *H-P*.....A
Boyer, I. N., 3 *H-P*.....A
Bransome, E. D., 4 *H-P*.....S
Breck, E. R., 1 *Cl*.....A
Brubaker, A. N., 4 *Cl*.....A
Butler, W., 1 *C-B*.....A
Care, M. R., 1 *ML*.....A
Cassel, L. S., 4 *H-P*.....A
Christman, V. F., 4 *C-B*.....A
Coleman, W. A., Sat., *S.S., H-P*..A
Condon, W. P., Sp., *H-P.*
Corrigan, J. H., 1 *H-P., S.S*.....A
Danehower, W. L., 3 *H-P., S.S*....A
Davidheiser, L. Y., 2 *H-P., S.S*...A
Deininger, C. F., 1 *Cl*.....A
Derr, L. F., 1 *C-B*.....A
Detwiler, F. M., 3 *ML., Mu*.....A
Diemer, W. S., 1 *M-P*.....S
Dresser, D., *Mu.*
Ebright, E. K., 2 *L-M*.....A
Eby, H. K., 3 *E-H., S.S*.....A
Elicker, P. E., 3 *L-M*.....A
Ellis, R. M., 4 *ML., S.S., Mu*.....A
Ensminger, G. R., 3 *L-M*.....A
Erikson, C. A., 2 *H-P*.....S
Farlow, G. S., *S.S*
Fegley, B. S., 2 *Cl*.....A
Fegley, H. S., Sp., *C-B.*
Ferree, H. M., 2 *E-H., S.S*.....A
Fink, W. L., 2 *L-M*.....A
Fisher, A. M., 4 *E-H., Mu*.....A
Fisher, C. A., 3 *H-P*.....A
Furman, G. C., *Mu.*
Gay, G. H., 3 *H-P*.....S
Gebhard, H. E., 3 *Cl*.....A
Gensler, W. A., Sat., *S.S., H-P*
Gingrich, H. F., 1 *H-P*.....S
Gleason, H. S., 3 *H-P., S.S*.....A
Glendenning, F. M., 1 *C-B*.....A
Gobrecht, W. R., 1 *Cl*.....A
Godshall, F. L., 2 *H-P*.....A
Gormley, T. F., Sp., *C-B.*
Gottshalk, A. F., 1 *M-P*.....A
Gottshalk, H. C., 2 *M-P*.....A
Graber, R., Sat., *H-P.*
Grater, A., 1 *M-P*.....A
Gregg, M. E., 2 *H-P*.....A
Hain, S. M., 4 *ML., Mu*.....A
Hallman, E. B., 1 *M-P*.....S
Hallman, E. F., 3 *E-H*.....A
Hanson, A. d'A., 2 *Cl*.....A
Harrity, R. J., 2 *Cl*.....A
Hart, F. L., 1 *C-B*.....S

Hartranft, J. F., 2 *H-P*.....A
Hearn, W. A., *S.S.*
Heller, B. R., 3 *Cl*.....A
Hess, M. A., 3 *Cl*.....A
Hess, S. H., Sat., *H-P*
Hibbs, F. W., 1 *E-H*.....A
Hiwale, G. S., Ca., *C-B*.....A
Hobson, A. M., *S.S.*
Holzinger, C. H., 1 *Cl*.....A
Hoover, H. C., 1 *L-M*.....A
Hunsicker, S. H., 1 *ML*.....A
Hyde, M. D., 1 *ML*.....A
Jacobs, E. B., 4 *Cl*.....A
Johnson, R. C., 1 *C-B*.....S
Kantner, J. N., 4 *Cl*.....A
Kehs, I. W., Sat., *H-P.*
Kell, B. H., 3 *H-P*.....A
Keller, J. P., 2 *Cl*.....A
Kemmerer, A. G., 3 *ML*.....A
Kennedy, J. B., 1 *H-P*.....S
Kern, M. S., 1 *ML*.....A
Kerschner, H. B., 1 *Cl*.....A
Keyser, H. B., 1 *ML*.....A
Kichline, R. C., 1 *C-B*.....A
Kichline, T. E., 3 *H-P*.....A
Klein, E. E., 2 *Cl., S.S., Mu*.....A
Kneedler, E. C., 2 *E-H., Mu*.....A
Kneule, M. L., *S.S.*
Koerper, H. H., *Gr.*
Kohler, E. M., 1 *E-H*.....A
Kramer, G. N., 3 *E-H*.....A
Krusen, C. C., Ca., *C-B*.....S
Lamont, B. F., Sp., *C-B*
Lamont, B. H., 4 *H-P*.....A
Lauer, W. M., 4 *L-M*.....A
Leiter, L. W., *S.S.*
Lentz, F. R., *S.S.*
Light, D. S., 1 *H-P*.....A
Linderman, A. M., Sat., *S.S., M-L.*
Linderman, M., Sat., *ML.*
Lockart, D., 4 *Cl*.....A
Longacre, W. F., 3 *H-P*.....A
Loucks, S. W., *S.S.*
Mathieu, H. W., 4 *C-B*.....S
Mathieu, P. W., 4 *H-P*.....A
Matlack, B. K., 4 *C-B*.....S
Mayberry, S. R., 2 *Cl*.....A
McCauslan, E. A., Sp., *ML*.....A
McClure, N. E., 2 *H-P*.....A
McKee, C. F., Sat., *H-P.*
McNay, M. R., *S.S.*
Mertz, J. E., 3 *Cl*.....A
Miller, C. E., *S.S.*
Miller, R. G., 2 *H-P*.....A
Miller, V. Z., 1 *E-H*.....A
Minich, R. L., 2 *Cl*.....A
Mitterling, R., 2 *H-P*.....S
Moser, V. C., 4 *ML*.....A
Moyer, E. B., Sat., *S.S., Cl.*
Mulford, R. H., 1 *H-P*.....A
Myers, J. E., 3 *E-H., S.S*.....A
Myers, L. G., 1 *M-P*.....S
Norkewicz, A. A., Ca., *H-P*.....S
Nyce, L. E., 2 *ML*.....A
Oswald, G. E., *Gr.*
Paisley, E. S., 4 *H-P., S.S.,* .....S
Paul, M. E., 1 *E-H*.....A
Pearson, M. W., 3 *E-H*.....A
Peters, E. M., 3 *ML., Mu*.....A
Peters, W. J., 3 *C-B*.....A
Plank, T. H., *S.S.*
Pritchard, H. B. N., 1 *Cl., S. S., Mu.*A
Rahn, M. R., 2 *ML., Mu*.....A
Rambo, G. A., Ca., *C-B*.....S
Reinhold, C. O., 4 *H-P*.....S
Richard, J. S., 1 *H-P*.....A
Riegel, J. O., 3 *C-B*.....S
Riegel, R., Sp., *C-B.*
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Ritter, C. D., Sp., *H-P.*
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Rumbaugh, U. D., 3 *H-P*.....A
Rutledge, L. F., 1 *H-P*.....A
Sabold, M. B., 3 *L-M*.....A
Scheuren, C. W., 1 *H-P*.....A
Scheuren, F. M., 3 *ML*.....A
Schlichter, A., 4 *L-M*.....A
Schlichter, A., 2 *ML*.....A
Schoenberger, W. A., *S.S.*
Seaman, R., 3 *H-P*.....S
Seiverling, I. F., *S.S*.....A
Seiz, M. H., 1 *E-H*.....S
Sellers, C. P., 1 *L-M*.....A
Sigafoos, C. H., 3 *E-H*.....A
Singley, D. F., 2 *Cl*.....A
Small, L. B., 3 *Cl*.....A
Smith, L. K., 1 *H-P*.....A

Snyder, E. H., 2 *L-M., Mu*.....A
Solt, L. J., 1 *M-P., S.S*.....A
Spang, R. A., 2 *ML*.....A
Spears, R. R., *Gr.*
Stamy, D. L., *Gr.*
Straub, H. G., 4 *H-P., S.S*.....A
Stritzinger, M. L., *S.S.*
Stroud, R. E., 2 *ML*.....A
Stugart, R., 1 *M-P*.....S
Swinehart, G. B., Sat., *S.S., H-P.*
Talmage, G. D., 1 *E-H*.....A
Talmage, S. M., 1 *E-H., Mu*.....A
Thena, R., Sp., *Cl.*
Thomas, E. L., 1 *M-P*.....S
Troutman, W. E., Sat., *H-P.*
Umstead, R. R., *Gr.*
Vanderslice, H. R., Sat., *H-P*.....A
Vogel, A., 2 *Cl*.....A
Wagner, E. M., 3 *ML., Mu*.....A
Wall, R. W., 1 *C-B*.....S
Weller, S. L., 1 *C-B*.....A
Wanger, M., *S.S.*
West, A. R., Sp., *Cl.*
Wetzel, J. K., 4 *Cl., Mu*.....A
Wiedorn, F. F., 3 *C-B*.....A
Wiest, E. E., 2 *ML*.....A
Worrell, F. H., 3 *H-P*.....A
Yeager, W. A., 3 *H-P., Mu*.....A
Yeatts, E. R., 1 *H-P*.....A
Yerger, W. K., 4 *H-P., S.S*.....A
Yingst, W. J., 4 *Cl*.....A
Yoh, P. W., 4 *Cl*.....A
Yost, M. W., 2 *Cl*.....A

PRIZES, HONORS AND DEGREES

Awarded in 1911-1912

PRIZES

Junior Oratorical Prizes—No Awards.

Scholarship Prizes:

Bangor High School—Ronald Chester Kichline.
Collegeville High School—Addison Gottshalk.
Hanover High School—Walter Roth Gobrecht.
Lebanon High School—David Sterling Light.
Millersville Normal School—Sidney Lanier Weller.
Norristown High School—Carolyn Gladys Rogers.
Phoenixville High School—Mary Hannah Seiz.
Royersford High School—Verda Ziegler Miller.
Spring City High School—Joseph Henry Corrigan.
West Chester Normal School—Helen Marie Ferree.
York County Academy—Lester George Myers.
York High School—Earl Raymond Yeatts.

Duttera Prize in Church History—Henry G. Maeder.

HONORS

(Department Honors)

Chemistry—Florence Ada Brooks.
Educational Psychology—Melvin Clay Jacobs.
Latin—Edward Abraham Glatfelter.
Mathematics—Albert Franklin Long.

(Commencement Parts)

Valedictory Oration—Hazel Campbell Longstreth.
Salutatory Oration—Florence Ada Brooks.

DEGREES

Doctor of Laws (Honorary)—Charles Heber Clark, Joseph S. Neff.
Doctor of Divinity (Honorary)—George S. Sorber, A.M., John J. Fisher, A.M.
Bachelor of Divinity (in course)—Otto G. Herbrecht, A.M.

Master of Arts (in course)—Mary W. Austerberry, A.B., John B. Price, A.B., Ralph W. Schlosser, A.B., Samuel H. Ziegler, A.B.

Bachelor of Arts, *Cum Laude*—Arasman Melville Bileman, Walter Richard Douthett, Melvin Clay Jacobs, Gusty Philip West.

Bachelor of Arts—Charles Augustus Behney, Kathryn Veronica Corrigan, Clara Mae Deck, Sadie Juno Fegley, Jacob Moyer Fisher, Edward Abraham Glatfelter, Mabelle Beatrice Heebner, Frank Herson, Robert Luke Matz, Charles Lewis Maurer, Margaret Curry Rapp, Grace S. Saylor, William Heinly Schellhamer, Laretta Ogden Scheuren, Helen Irene Stout, Nelson Kerr Thompson, Christine Elizabeth Tegtmeier.

Bachelor of Science—Alvin Roy Isenberg, Ammon George Kershner, Roy Franklin Kichline, Albert Franklin Long.

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INDEX

	PAGE
Absences	25
Academic Year	4
Admission	17-24
Examinations for	23
Terms of	23
Requirements for	17-22
To Advanced Standing	24
By Certificate	17
Advisers	25
Alumni Associations	86
Alumni Orators	87
Astronomy	38
Athletics	54
Bible, Courses in	34
Bills, *see* EXPENSES.	
Biology, Courses in	40, 41
Board	59
Bomberger Memorial Hall	53
Book Room	57
Botany, *see* BIOLOGY.	
Buildings	53, 54
Calendar	4
Charter	5-7
Chemical-Biological Group	48
Chemistry, Courses in	39, 40
Classical Group	45
Commencement Day	4
Committees of Board of Directors	11
Courses of Instruction	27-42
Arrangement of	43-51
Degrees	63, 64
Bachelor of Arts	45, 63
Bachelor of Science	45, 63
Master of Arts	63
Directors of College	10
Directory of Students	81-83
Dormitories	53
Economics	36
Education, Courses in	34
English, Courses in	29-30
English-Historical Group	50
Ethics, Courses in	33
Expenses	58, 59
Faculty	13-15
French, Courses in	33, 34
Geology, Courses in	40
German, Courses in	30, 31
Government	24, 25
Graduation	45, 61
Greek, Courses in	28, 29
Groups of Studies	43-51
Chemical-Biological	48
Classical	45
English-Historical	50
Historical-Political	49
Groups of Studies.—*Continued*	
	PAGE
Latin-Mathematical	46
Mathematical-Physical	47
Modern Language	51
Historical Statement	5-8
Historical-Political Group	49
History, Courses in	35, 36
Honors	61, 62
Junior Oratorical Contest	62
Junior Prizes	62
Laboratories	55, 56
Latin, Courses in	27
Latin-Mathematical Group	46
Library	56, 57
Mathematics, Courses in	37, 38
Mathematical-Physical Group	47
Matriculation	24
Medico-Chirurgical Scholarship Prize	62
Modern Language Group	51
Music, Courses in	42
Music, Private Lessons	42, 59
Olevian Hall	53
Payments	59
Philosophy, Courses in	33-34
Physics, Courses in	38, 39
Physiology, Courses in	40, 41
Politics	36
Prizes, Junior Oratorical	62
Medico-Chirurgical Scholarship	62
High School Scholarship	62
Psychology, Courses in	33
Public Worship	26
Reading Room	56
Registration	24
Requirements for Graduation	43
Residence of Students	53, 54
Rhetoric, Courses in	29
Rooms	58
Scholarship, Grades	25
Scholarships, List of	59-61
Scholarship Prizes	62
Societies	57, 58
Special Students	24
Students, Lists of	70-80
College	70-80
Summer Session	78, 79
Music	79, 80
Summary	80
Summer Session	65-67
Terms and Vacations	4
Tuition, *see* EXPENSES.	
Ursinus College.	
Charter	5-7
Women, Admission to College	8
Zoölogy, Courses in	41

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